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**1982**

# Census of Construction Industries

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CC82-A-2

GEOGRAPHIC AREA SERIES

## Middle Atlantic States

New Jersey, New York, Pennsylvania



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The publications  
from the 1982 Economic and  
Agriculture Censuses are dedicated  
to the memory of Shirley Kallek,  
Associate Director for Economic Fields.  
During her career at the Bureau of the  
Census (1955 to 1983), she continually  
directed efforts to improve  
the timeliness and accuracy of  
economic statistics.

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FINAL REPORT  
GEOGRAPHIC AREA SERIES

# 1982 Census of Construction Industries

CC82-A-1 to 10  
Changed October 1986

## CHANGE SHEET

This revision is to table 6 in the original publications for Geographic Area Series CC82-A-1 to 9 and table 9 for Geographic Area Series CC82-A-10. In the stub, change 1982 (line 8) to read 1981 and 1981 (line 12) to read 1982.



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# **1982 Census of Construction Industries**

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CC82-A-2

GEOGRAPHIC AREA SERIES

## **Middle Atlantic States**

New Jersey, New York, Pennsylvania

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Issued March 1985



**U.S. Department of Commerce**  
**Malcolm Baldrige**, Secretary  
**Clarence J. Brown**, Deputy Secretary  
**Sidney Jones**, Under Secretary for  
Economic Affairs

**BUREAU OF THE CENSUS**  
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### CONSTRUCTION DIVISION

Leonora M. Gross, Chief

**ACKNOWLEDGMENTS**—Many persons participated in the various activities of the 1982 Census of Construction Industries. Primary direction of the program was performed by **Shirley Kallek**, Associate Director for Economic Fields (until May 1983), **Charles A. Waite**, her successor, and **Michael G. Farrell**, Assistant Director for Economic and Agriculture Censuses (until August 1984), and **John H. Berry**, his successor.

This report was prepared in the Construction Statistics Division under the general direction of **Leonora M. Gross**, Chief. **Alan I. Blum**, Assistant Division Chief for Industry Surveys, was responsible for the overall management of the census of construction industries. He guided the planning and implementation of the project and coordinated activities with other divisions.

**A. William Visnansky** supervised the preparation of this report. **Barbara J. Hadden**, **Edward R. Glover**, **Otto G. Ricci**, **Marie Rustin-Sanhueza**, and **Shirley M. Baker** made important contributions in such areas as developing specifications, procedures, and resolving problems.

The computer processing system was developed and coordinated under the direction of **Barbara M. Walter**. **Richard W. Swartz** made significant contributions to the planning and development of the computer programs, and **Herbert S. Isham** was responsible for the implementation of those programs. The computer programs were also developed and written by **John Sibley**, **Clifford Jordan**, **Linda M. Mersch**, **Adele Cerrelli**, and **Dan G. Sansbury**. **Mary D. Brady** was responsible for most of the data preparation specifications and procedures. **Matthew R. Golas** was responsible for the coordination with the Computer Services Division. **Johnnye Pringle** was responsible for production control of the computer processing. Under the direction of **Jesse Pollock**, **Edward K. Ricketts** and **Dennis K. Duke** developed the sampling plans, some computer processing specifications, and quality control procedures.

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Publication planning, design, editorial review, composition, and printing procurement were performed in the Publications Services Division, **Raymond J. Koski**, Chief.

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## ECONOMIC CENSUSES OVER TIME

The early beginnings of America's industrial output were first measured in the United States in the 1810 Decennial Census and again in 1820, when questions on manufacturing were included with those for population. Beginning with the 1840 Decennial Census, there were enumerations of manufactures and mineral industries at 10-year intervals up to and including the year 1900 for manufactures and 1940 for mineral industries. The latter census was taken again for 1954, 1958, 1963, and 1967.

Because of the increasing dominance of manufacturing in the early 20th century, Congress directed that quinquennial censuses of manufactures be taken beginning in 1905. However, from 1919 through 1939, these censuses were conducted every 2 years. The need for war-related current surveys in the early 1940's postponed the next census of manufactures until 1948 (for 1947). That census was again taken for 1954, 1958, 1963, and 1967.

Retail and wholesale trade data were first collected in 1930, and in 1933 information on selected service industries was added to the data-collection operation. These business censuses, as they were called, were again taken for 1935, 1939 (as part of the 1940 decennial program), 1948, 1954, 1958, 1963, and 1967.

Information on construction industries was first obtained in 1930 and again for 1935 and 1939. Data for the full spectrum of construction industries were not gathered again until 1968 (for 1967).

The need for transportation data to supplement information available from existing governmental or private sources was recognized by Congress in the late 1950's and early 1960's. The census of transportation (consisting of several surveys) was first taken for 1963 and again for 1967.

Since 1967, all of the above censuses have been taken quinquennially as part of the Census Bureau's economic census program. (For the 1977 censuses, the coverage of the service

industries was broadened from "selected services" to all services, except religious organizations and private households. A total of 41 additional four-digit standard industrial classifications<sup>1</sup> (SIC's) in 7 SIC major groups was added to the scope of the census. While most of the industries included for the first time for 1977 were covered again for 1982, some were not, i.e., hospitals; elementary and secondary schools; colleges, universities, and professional schools; junior colleges and technical institutes; labor unions and similar labor organizations; and political organizations.)

The first manufacturing census for an outlying area was conducted in Puerto Rico for the year 1909. Thereafter, with the exception of 1929, a census was taken at 10-year intervals through 1949. The first censuses of retail trade, wholesale trade, and selected service industries in Puerto Rico were conducted for 1939. These censuses also were taken for the years 1949, 1954, 1958, 1963, and 1967. A census of construction industries was first introduced in Puerto Rico for 1967. These censuses of Puerto Rico have been taken since then for the years 1972, 1977, and 1982.

Censuses of manufactures, retail trade, wholesale trade, and selected service industries were conducted in Guam and the Virgin Islands of the United States for 1958, 1963, 1967, 1972, 1977, and 1982. Censuses of mineral industries were taken in the Virgin Islands of the United States for the years 1958, 1963, and 1967 but not since that time. A census of construction industries was also undertaken in these areas for 1972, 1977, and 1982.

Retail trade, wholesale trade, selected service industries, manufacturing, and construction industries were canvassed for the first time in the Northern Mariana Islands in 1983 (for 1982).

For 1982, the economic censuses and agriculture censuses were conducted concurrently.

## USES OF THE ECONOMIC CENSUSES

The economic censuses are the major source for facts about the structure and functioning of the Nation's economy and provide essential information for government, business, industry, and the general public. They provide an important part of the framework for such composite measures as the gross national product, input-output measures, indexes of industrial production, and indexes measuring productivity and price levels. Information from the censuses is used to establish sampling frames and as benchmarks for current surveys of business activity, which are essential for measuring short-term economic conditions.

<sup>1</sup>Standard Industrial Classification Manual: 1972. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock No.041-001-00066-6. 1977 Supplement. Stock No. 003-005-00176-0.



State and local governments use census data to assess business activities within their jurisdictions. The private sector uses the data to forecast general economic conditions; analyze sales performance; lay out sales territories; allocate funds for advertising; decide on locations for new plants, warehouses, or stores; and measure potential markets in terms of size, geographic areas, kinds of business, and kinds of products made or sold.

Following every census, thousands of businesses and other users purchase reports. Likewise, census facts are widely disseminated by trade associations, business journals, and newspapers. Volumes containing census statistics are available in most major public and college libraries. All 1982 data are available on microfiche from the U.S. Government Printing Office and most data on computer tape from the Census Bureau. Finally, the more than 50 State Data Centers also are suppliers of economic census statistics.

## **AUTHORITY AND SCOPE OF THE ECONOMIC CENSUSES**

The economic censuses are required by law under title 13 of the United States Code, sections 131, 191, and 224, which directs that they be taken at 5-year intervals for the years ending in 2 and 7. The 1982 Economic Censuses covered manufacturing, mining, construction industries, retail trade, wholesale trade, service industries, and selected transportation activities. Special programs also cover minority-owned and women-owned businesses. The next economic censuses are scheduled to be taken in 1988 for the year 1987.

## **METHOD OF ACCOUNTING AND TIME COVERED**

For the census report, respondents could use any system of accounting by which they maintained their books. Therefore, reports could be based on cash, accrual, or completion of contract methods of accounting.

A report was supposed to cover the calendar year 1982. If that involved considerable costs, fiscal year reporting was permitted if it did not produce great differences. However, all payroll and employment figures had to be reported for the calendar year.

## **CENSUS OF CONSTRUCTION INDUSTRIES—SCOPE AND CLASSIFICATION**

The 1982 Census of Construction Industries covers all employer establishments (establishments with payroll) primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property into lots as defined in the 1972 Standard Industrial Classification (SIC) Manual.<sup>1</sup> This industrial classification system has been developed by experts on classification in government and private industry under the guidance of the Office of Management and Budget and is in general use among government agencies and among organizations outside the government.

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<sup>1</sup>Standard Industrial Classification Manual: 1972. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock No. 041-001-00066-6. 1977 Supplement. Stock No. 003-005-00176-0.

**Contract construction**—The SIC manual defines construction in three broad types of activity: (1) building construction by general contractors, (2) other construction by general contractors, and (3) construction by special trade contractors.

1. **Building construction by general contractors**—General building contractors are primarily engaged in the construction of dwellings, office buildings, stores, farm buildings, and other projects of a similar character.
2. **Other construction by general contractors**—Often referred to as heavy construction contractors, these contractors are primarily engaged in the construction of highways, streets, bridges, and tunnels; docks and piers; dams and water projects; sewage collection, treatment, and disposal facilities; storm sewer systems; air fields; and other heavy construction which involves either earth moving or the erection of structures and appurtenances, other than buildings.
3. **Construction by special trade contractors**—Special trade contractors are primarily engaged in specialized construction activities such as plumbing, painting, electrical work, carpentry, etc.

General contractors in both the building and the heavy construction field usually assume responsibility for an entire construction project, but may subcontract to others those portions of the project requiring special skills or equipment. Special trade contractors may work for general contractors, for other subcontractors, or may work directly for the owner of the property.

**Construction on their own account, for sale**—Operative builders are primarily engaged in constructing buildings or other structures on their own account, acting as their own general contractor. These structures are generally sold when completed. Investment builders, primarily engaged in construction on their own account for rent or lease, were not included within the scope of the construction census.

**Subdividers and developers, except cemeteries**—The SIC manual defines subdividers and developers, except cemeteries, as establishments engaged in subdividing real property into lots, except cemetery lots, and in developing it for resale on their own account or for others.

In this system, each establishment is assigned an industry code on the basis of its major activity.

Each establishment receiving a questionnaire was requested to report the percent of total business receipts for each kind-of-business activity engaged in during 1982. This information was used for the computer assignment of appropriate industry classifications. During this work, various tests were also made using other data reported on the questionnaire. The proportion of construction receipts to total business receipts was checked to verify that the establishment was primarily in construction. Also taken into consideration were the types of structures worked on during the year and the extent of work undertaken for other contractors.

Construction establishments often engage in various construction activities, but in only a few instances do the SIC industry categories take into consideration combinations of activities. An example is SIC 1711, which includes establishments primarily engaged in plumbing, heating, air conditioning, ventilation, and refrigeration work. It is necessary, however, to assign a single industry code to the establishment based on its major activity.



Therefore, the statistics shown for an industry reflect not only the primary activity of the establishments in the industry, but also their secondary activities.

The structure of the Standard Industrial Classification System makes it possible to classify or tabulate establishments by major group (two-digit), industry group (three-digit), or industry (four-digit) according to the degree of detail available and needed.

## ESTABLISHMENT BASIS OF REPORTING

The census of construction industries is conducted on an establishment basis. A "construction establishment" is defined as a relatively permanent office or other place of business which has been established for the management of more than a single project or job and is expected to be maintained on a continuing basis. Such "establishment" activities include, but are not limited to, estimating, bidding, scheduling, purchasing, supervising, and operating the actual construction work being conducted at one or more construction sites.

Exceptions to the "relatively permanent office" rule were that: (1) in case of joint ventures, a separate establishment report was required covering the joint venture entity even though established to undertake only a single project; and (2) to the extent that separate legal entities were set up to carry out only a given project or part of a project, then a separate establishment report was also required for each legal entity.

To the extent that several companies shared or operated out of a single office or place of business, each such legal entity engaged in construction was considered a separate establishment and each was requested to file the necessary "establishment" report covering the activities it conducted in or from that common office.

Companies with more than one construction establishment were required to submit a separate report for each such establishment operated during all or any part of 1982.

Separate construction reports were not required for each project or construction site. Aggregated information was included in the report of the construction establishment responsible for the work of the construction projects and sites.

If an establishment engaged in two or more distinctly different lines of economic activity (wholesale or retail trade, service, manufacturing, construction, mining, etc.) at the same place of business, it was requested to file a separate report appropriate to each activity, provided that the activity was of substantial size and separate records were maintained or substantially accurate estimates could be prepared.

If a separate establishment report could not be prepared for each activity, then a construction report was requested covering all activities of that establishment providing that the 1982 gross receipts from construction activities exceeded the gross receipts from each of its other activities.

An establishment is not necessarily identical with a "company" or "enterprise," which may consist of one or more establishments. The census of construction industries figures represent a summary of records for individual establishments rather than for companies. The census tabulations, therefore, differ from those prepared on a company basis.

Construction businesses with no payroll during 1982 (nonemployers) were not required to file census reports. Collection and tabulation of data for these businesses are described in the section on "Sample Design." Foreign construction activities were not included in this census.

## SAMPLE DESIGN, ESTIMATION PROCEDURES, AND RELIABILITY OF ESTIMATES

The firms included in the 1982 Census of Construction Industries were identified as part of an operation common to all 1982 Economic Censuses. Construction firms were divided into employers (firms with payroll) and nonemployers (firms without payroll). Statistical information for the employers was obtained in the census by a survey which included all medium size and large employers and a sample of the smaller ones. Census reports were not required from the nonemployers. Statistics on them were obtained from administrative records of other agencies of the Federal Government based on information supplied directly to the agencies.

### Employer Firms

**Developing the sampling frame for employer firms**—This operation started with obtaining a list of all construction firms in the active records of the Internal Revenue Service (IRS) which were subject to payment of Federal Insurance Contributions Act taxes. The basic source for this list has been the Internal Revenue Service Business Master File, a comprehensive list of firms engaged in business activities in the United States. The file contains the name, address, and form of ownership of each firm and also indicates whether or not the firm is subject to the Federal Insurance Contributions Act. Each firm in this file is assigned a unique employer identification (EI) number which it uses in filing its various reports with the IRS. The Social Security Administration (SSA) maintains a similar list using the same identification numbers, which also contains information on the industrial classification of each firm. The Bureau of the Census obtained both of these lists and combined them.

Under special arrangements which safeguarded the confidentiality of the information, the Bureau also obtained administrative-record data on payrolls and receipts and added these data to the combined list. The list, thus created from the IRS-SSA information, was a list of employer firms. However, for the 1982 Economic Censuses the basic reporting unit is the "establishment." Therefore, steps were taken to identify the individual establishments of those firms which operate more than one place of business. The information for making this determination was obtained by means of the Company Organization Survey (COS), an annual canvass of all known multiestablishment firms and large single-establishment firms. Thus, the 1982 Economic Census list for single-establishment employer firms was obtained from the IRS-SSA, but the list of establishments of multi-establishment employer companies was obtained directly from those companies in the COS.

In general, the IRS-SSA list provided sufficient industrial classification data to assign a firm to the proper economic census, but there were a number of firms for which this information was inadequate or unavailable. A special form, NC-9923, General Report, was mailed to all such firms, requesting information on the nature of the firm's activities. From the information reported, the firm was given an industrial classification code and assigned to the appropriate economic census. Since construction firms found in this way were identified as such, only after the regular census mailing had taken place, they were treated as a supplement to the basic list.



For 1982, some data will be published for Standard Consolidated Statistical Areas (SCSA's) and selected Standard Metropolitan Statistical Areas (SMSA's). Therefore, each establishment was assigned to an SMSA code or to the balance of a State. The balance of the State was considered to be a separate cell for the selection process. In States where none of the SMSA's had more than 500,000 inhabitants in the 1970 Decennial Census, all establishments were assigned to the balance of the State.

**Selecting the employer sample**—A construction universe of about 464,000 single establishment employer firms and 6,500 multiestablishment employers, accounting for another 13,000 construction establishments, was developed by the procedures described above. From this universe, a sample of 172,000 employer establishments was selected. This sample was generally organized by standard industrial classification (SIC) in State sequence. The sample was designed to provide publishable estimates for the most construction industries at the State and selected SMSA level. It consisted of all construction establishments in multiestablishment companies, all single-establishment companies with the payroll equivalent of 20 employees or more, and a sample of single-establishment companies with less than 20 employees. There were three SIC's for which this standard plan was not used: SIC 1622, Bridge, Tunnel, and Elevated Highway Construction Contractors; SIC 1795, Wrecking and Demolition Work Special Trade Contractors; and SIC 1796, Installation or Erection of Building Equipment Special Trade Contractors.

The number of establishments classified in each of these three industries is very small and consequently, all single-unit establishments in these three industries were included in the sample. For sampling purposes, the number of employees was estimated from the 1981 payroll data in the administrative records, using an industry average wage per employee. The sampling was accomplished using a systematic method within each four-digit SIC. If the SIC code for an establishment was not complete, it was sampled as part of a two-digit group (e.g., 1520 was sampled as 1500, 1620 as part of 1600) except for non-classifiable cases in two-digit group 17. These were sampled as part of 1799 which is Special Trade Contractors, Not Elsewhere Classified. For the establishments with less than 20 employees, the sample was selected by sorting the establishments into State by SMSA by SIC by payroll sequences, and drawing a systematic sample of at least two establishments within each cell, with the probability of selection being proportional to the 1981 payroll. If the State-SMSA-SIC cell had two or less establishments in the frame, all establishments were selected (a 100-percent sample). A 100-percent sample was taken of the construction firms identified from the NC-9923, General Report, and of the transfers from other census trade areas. These latter cases were identified during the processing stages. These were caused either by changes of activity in the firm since the last updating of the classification file, or errors in the mailout classification. These cases were all added to the construction census, with certainty.

**Estimation procedures for 1982 and 1977 data**—Since all larger employer firms and some smaller ones were included in the census, sample estimation was required only for the universe of firms not selected with certainty. The published statistics are the totals of the estimates for the sampled firms and the

aggregates for the certainty (larger) firms. All estimates for 1982 and 1977 published here are simple unbiased estimates of the form:

$$x'_c = \frac{\sum_{i=1}^{n_c} x_i}{n_c}$$

where:  $x'_c$  is the simple unbiased estimate of a characteristic for a publication cell.

$x_i$  is the reported value of a characteristic for an individual establishment in the publication cell.

$p_i$  is the selection probability of that firm.

$n_c$  is the number of firms in the sample for the cell.

This method of estimation was used for all 1982 and 1977 characteristics. Before this formula was applied, it was necessary to convert into dollars those distributions of construction receipts which had been reported by the establishments as percentages—construction receipts by type of project, location of project, etc.

**Reliability of employer statistics**—Since the estimates for employer establishments in these reports are based on the samples, they are subject to sampling variability and may be expected to differ from results which would have been obtained if a complete census had been taken using the same forms and procedures. The sampling errors shown in the tables were estimates directly from the sample reports, using methods appropriate for the sample design and form of estimation used.

The relative standard error is a measure of sampling variability, i.e., the variation that might occur by chance because only a sample of the population is surveyed. As calculated for this report, the relative standard error also partially reflects the effect of random errors of response and processing, but it does not take into account the effect of any consistent biases due to those types of errors. The chances are about 68 out of 100 that an estimate from the sample would differ from a complete census by less than the relative standard error. The chances are about 95 out of 100 that the difference is less than twice the relative standard error and about 99 out of 100 that it is less than 2-1/2 times the relative standard error. Individual estimates with large relative standard errors have been shown in the published tables. Any such estimates should be used with caution. The very large relative standard errors generally occur for the smaller estimates.

Although relative standard errors have been calculated for all of the published statistics, they are shown for each statistic only in the tables presenting detailed statistics. The other tables show relative standard errors only for some characteristics because of lack of space.

Separate measures of reporting and processing errors are not available. However, estimates which were subject to large errors of these types are likely to have been detected and corrected, or withheld from publication in the process of the review of the data for reasonableness and consistency. Other specific qualifications of the published data are indicated in footnotes to the tables.

The statistics in this report were based on data received by the time of final publication. Data were imputed for



establishments that did not report by that date. Selected establishments were contacted again to obtain as much information on the telephone as possible. Late data received in early 1984 were substituted for imputed data when the difference between the two was significant. Some publication cells in which more than 50 percent of the data were imputed have been suppressed.

## Nonemployer Firms

**General**—As described earlier, the information derived from the business income tax returns of all firms was matched to the census employer file on the basis of common identification numbers. Those business income tax returns which could not be matched, were further classified on the basis of several characteristics. Returns with characteristics consistent with firms without payroll were treated as nonemployers. The nonemployer construction firms were not required to file census reports.

For "number of establishments," each separate income tax return was assumed to be an establishment. "All business receipts" was based on receipts information reported on the tax return. In 1982, this group accounted for 60 percent of the total number of construction establishments, but accounted for only 8 percent of all business receipts of all construction establishments.

**Qualifications to the nonemployer data**—Since no sampling was involved in the nonemployer establishments, the statistics for nonemployers are not subject to sampling variability. However, these data are subject to an unknown amount of reporting and processing errors which could not be detected by the Census Bureau.

## CENSUS REPORT FORMS

Information for the 1982 Census of Construction Industries was obtained from employer establishments primarily through the use of eight questionnaires, determined by industry classification and size. Standard forms and short forms were developed for each of the three two-digit SIC groups (15, 16, and 17), and for the establishments classified in SIC 6552. Establishments with 50 or more employees all received the standard form. A sub-sample of establishments with fewer than 50 employees received short forms instead of the standard forms. The short forms covered only major items and omitted most of the detail found in the longer forms.

In reviewing and developing the questionnaires, comments and recommendations were solicited from construction trade associations and appropriate advisory groups. The Census Bureau surveyed several thousand firms representing all economic activities to gain insight into the way companies maintain records and to see whether new information could be collected.

## DATA PROCESSING

The 1982 census report forms were mailed out in December 1982. Collection of these report forms, also by mail, was essentially completed in July 1983. They were mailed from and

returned to the Census Bureau's Data Preparation Division in Jeffersonville, Ind., where routine editing and coding of the report forms were also accomplished.

The returned reports underwent extensive processing. A preliminary edit done at the time of data entry identified obviously deficient reports and reports needing clarification. When necessary, these problems were resolved by further contact with the respondents. Next, the data were transmitted to Census Bureau headquarters in Washington, D.C.

Data records, then, underwent a detailed computer review and analysis. The records containing significant problems were referred for further analytical review and, if necessary, contacts were made with the respondents. The computer performed most classification coding (such as industry coding, geographic coding, and size coding) and imputation for missing items or for the small number of reports not received in time for tabulation. The imputation was performed on an industry (or industry group)-State (or geographic group) basis using all available response and administrative data.

The data records were then tabulated on an industry basis. Industry totals were subjected to analytical review, and selected statistics were prepared for the preliminary reports. Corrections resulting from this review were made to the computer records and final tabulations were produced.

The review of a preliminary report for an industry often uncovered the need for corrections or revisions to the data for another industry for which a preliminary report had already been published. The final reports incorporate all revisions and corrections made during the review of the preliminary reports and contain considerable more data than were published in those reports.

## GEOGRAPHIC CLASSIFICATION

Information for the 1982 Census of Construction Industries' final industry report series is classified on the basis of two types of geographic distributions: (1) physical location of the establishment, and (2) location of construction work. Separate State codes were assigned based on this information.

The geographic area reports series presents similar data by industry for each State (physical location of the establishment) and for selected SCSA's and SMSA's.

## DUPLICATION IN RECEIPTS

The aggregate of construction receipts reported by all construction establishments in each of the several industry, geographic area, or other groupings in this census, contains varying amounts of duplication, since the construction work (and the receipts) of one firm may be subcontracted to other construction firms and also be included in the subcontractors' receipts. To avoid this duplication, a "net construction receipts" figure has been derived for each establishment by subtracting the payments made for construction work subcontracted to others from the total construction receipts.

Duplication in receipts between other construction and non-construction industries results from the use of products of these other industries as input materials by construction establishments. "Value added," avoids this duplication and is, for most purposes, the best measure for comparing the relative economic importance of industries or areas. "Value added," is

defined in the 1982 Census of Construction Industries as equal to all business receipts less payments for construction work subcontracted to others and payments for materials, components, supplies, and fuels. However, for SIC 6552 and SIC 1531 where land receipts are significant, value added is defined as equal to all business receipts less land receipts, payments for construction work subcontracted to others, and payments for materials, components, supplies, and fuels.

## SPECIAL TABULATIONS

Special tabulations of data collected in the 1982 Census of Construction Industries may be obtained on computer tape or in tabular form. The data will be in summary form and subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies), as are the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact and detailed specifications of the type and format of the data to be provided, should be directed to the Chief, Construction Statistics Division, Bureau of the Census, Washington, D.C., 20233.

To discuss a special tabulation before submitting specifications, call 301-763-5435.

## RELATIONSHIPS OF THE ECONOMIC CENSUSES TO CURRENT SURVEYS

The Census Bureau also conducts current surveys (monthly, quarterly, and annually) to keep abreast of the rapid changes in business conditions, new processes, new materials, and shifting demands of goods and services. The census universe provides the sampling frame, weights, and benchmarks on which some of these current surveys are based. The accuracy of the measures derived from these current surveys is directly related to the completeness of information provided in the censuses.

## COMPARABILITY OF CENSUS OF CONSTRUCTION INDUSTRIES DATA WITH OTHER DATA

Data contained in the reports of the 1982 Census of Construction Industries are not the same as the data published in the Census Bureau's monthly Construction Reports, Series C30, Value of New Construction Put in Place. The main difference is that the C30 series covers all new construction put in place without regard to who is performing the construction activity, whereas, the construction census figures cover both new construction and

maintenance and repair work, but only for establishments classified in the construction industry. Force account construction activity—construction work performed by the labor force of a nonconstruction company for itself, or by other entities (Federal, State, or local governments) for themselves, or by property owners for themselves—probably accounts for more than half of the difference in the data of the two series of reports. Other factors contributing to the difference are that the census data do not include: (1) the value of materials supplied by the owners of projects, (2) the value of separate architectural and engineering services and, to a lesser extent, (3) the value of construction work performed for others by firms outside the scope of construction (manufacturers who install, lumber yards and other businesses, etc.).

Data contained in the reports of the census of construction industries may also differ from industry data in "Employment and Earnings Statistics," published by the Bureau of Labor Statistics, and "Statistics of Income," published by the Internal Revenue Service. These differences arise from varying definitions of scope, coverage, timing, classification, and methodology. Their effect is not fully known.

## ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in this publication:

- Sampling error exceeds 40 percent.
- All employees (average) is the sum of construction workers during pay period including 12th of March, May, August, and November divided by 4, added to all others, March 12th.
- Represents zero.
- † Represents total construction receipts less payments for construction work subcontracted to others. (See Duplication in Receipts.)
- †† Represents all business receipts less payments for construction work subcontracted to others, and payments for materials, components, supplies, and fuels. In SIC's 1531 and 6552, land receipts are also subtracted from "all business receipts." (See Duplication in Receipts.)
- ‡ Possible duplication in data. (See Duplication in Receipts.)
- (D) Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
- (NA) Not available.
- (S) Withheld because estimate did not meet publication standards on the basis of either the response rate, associated standard error, or a consistency review.
- (W) Greater than zero but less than 1 percent.
- n.s.k. Not specified by kind.



# Users' Guide for Locating Statistics in This Report by Table Number

Statistics	By State	By industry	By employ- ment size	By receipts size	By type, class, ownership, kind of business, and location of construction <sup>1</sup>	By SCSA and SMSA <sup>2</sup>
Assets and depreciation (gross book value):						
Beginning of year—structures, machinery and equipment . . . . .	5					
End of year—total . . . . .	3, 5	3	7	8		
End of year—structures, machinery and equipment . . . . .	5					
Depreciation charges during the year— structures, machinery and equipment . . . . .	5					
Capital expenditures:						
Total capital expenditures . . . . .	3, 5	3	7	8		12
New structures—machinery and equipment . . . . .	5					
Used structures—machinery and equipment . . . . .	5					
Communication services, payments for . . . . .	4					
Employees:						
All employees—average number . . . . .	1, 3	3	7	8		12
Construction workers—average number . . . . .	3, 4, 10	3, 10				
Other employees—March . . . . .	4					
Employer costs for fringe benefits—legally required and voluntary expenditures . . . . .	4					
Establishments:						
Number in business at end of year . . . . .	4					
Number in business during the year:						
All . . . . .	1			2		
With payroll . . . . .	1, 3, 4, 6, 10	3, 10	7	2, 8		12
Without payroll . . . . .	1			2		
Hours—construction workers:						
Total . . . . .	3, 4, 10	3, 10	7	8		
Quarterly . . . . .	4, 10	10				
Inventories . . . . .	6					
Materials, components, supplies, and fuels— payments for . . . . .	3, 4	3	7	8		12
Payroll:						
First quarter, all employees . . . . .	4					
Annual:						
All employees . . . . .	3, 4	3	7	8		12
Construction workers . . . . .	3, 4	3				
Other employees . . . . .	4					
Power, fuels, and lubricants—payments for . . . . .	4					
Proprietors and working partners:						
All establishments . . . . .	1			2		
Establishments with payroll . . . . .	1, 4			2		
Establishments without payroll . . . . .	1			2		
Ratios, industry . . . . .	11	11				
Receipts:						
All business receipts:						
All establishments . . . . .	1			2		
Establishments with payroll . . . . .	1, 4		7	2, 8		
Establishments without payroll . . . . .	1			2		
Construction receipts, total . . . . .	3, 4, 6	3	7	8	4, 9	12
For work subcontracted in from others . . . . .	4					
Other business receipts and land receipts . . . . .	4					
Net construction receipts . . . . .	3, 4	3	7	8		12
Value added . . . . .	3, 4	3	7	8		12
Rental payments:						
Total . . . . .	3, 4	3	7	8		
For machinery and equipment . . . . .	4					
For structures . . . . .	4					
Repairs to structures and related facilities . . . . .	4					
Repairs to machinery and equipment . . . . .	4					
Storage capacity for fuels <sup>3</sup> . . . . .	4					
Subcontract work to others, payments for . . . . .	3, 4	3	7	8		12

Note: Data for 1977 and earlier years are also available in some of these tables.

<sup>1</sup>Type—buildings, roads, etc. Class—new construction or maintenance and repair work. Ownership—private or government owned.

<sup>2</sup>SCSA—Standard Consolidated Statistical Area; SMSA—Standard Metropolitan Statistical Area.

<sup>3</sup>Storage capacity for fuels shown only for SIC's 1611, 1622, 1623, and 1629.

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# SUMMARY OF FINDINGS

During 1982, 36,823 establishments in New Jersey operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$10.3 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 21,293 establishments in this State with no payroll accounted for about 13 percent of all business receipts for all construction establishments in New Jersey. On the other hand, 15,530 establishments classified as "employers" accounted for 87 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$8.9 billion, of which \$8.7 billion were receipts for construction work. These establishments paid \$1.8 billion for construction work subcontracted to others, leaving net construction receipts of about \$6.9 billion. Value added for these establishments amounted to \$4.4 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in New Jersey paid \$2.5 billion for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$161 million were also made for selected power,

fuels, and lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in New Jersey was 121 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 33.4 million hours, while hours worked during the third quarter were 43.1 million hours.

Total payroll for 1982 was \$2.3 billion. Payments of \$425 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for New Jersey are based on a sample of about 6,200 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.



**Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	<b>1982</b>													
	Construction industries and subdividers and developers.....	36 823	24 664	121 467	10 278 300	21 293	20 655	1 337 638	15 530	4 009	121 467	8 940 662	1	1
15,16,17	Construction industries <sup>1</sup> .....	36 448	24 462	121 014	9 980 885	21 020	20 456	1 079 359	15 428	4 006	121 021	8 901 531	1	1
15	General building contractors and operative builders .....	7 036	3 574	24 693	3 153 976	3 320	2 870	447 092	3 716	704	24 695	27 606 885	2	1
16	Heavy construction, general contractors ..	1 678	1 022	17 628	1 673 219	906	880	122 440	772	142	17 629	1 550 780	1	1
17	Special trade contractors .....	27 734	19 866	78 693	5 153 690	16 794	16 706	509 827	10 940	3 160	78 697	4 643 863	1	1
1711	Plumbing, heating, and air conditioning....	4 341	2 557	18 076	1 316 563	1 997	1 983	88 536	2 344	574	18 076	1 228 027	1	1
1731	Electrical work .....	2 799	1 571	14 081	962 303	1 251	1 191	48 825	1 548	380	14 081	913 478	2	1
6552	Subdividers and developers, n.e.c. <sup>2</sup> .....	367	200	(S)	(S)	273	199	258 279	94	1	(S)	(S)	-	-
	<b>1977</b>													
	Construction industries and subdividers and developers.....	32 945	23 878	115 043	6 157 520	17 557	17 374	501 819	15 388	6 504	115 043	5 655 701	1	1
15,16,17	Construction industries <sup>1</sup> .....	32 732	23 773	114 664	6 092 565	17 439	17 275	483 986	15 293	6 498	114 664	5 608 579	1	1
15	General building contractors and operative builders .....	7 099	4 072	24 990	2 158 823	2 880	2 538	175 186	4 219	1 534	24 990	1 983 637	2	2
16	Heavy construction, general contractors ..	1 234	534	29 156	1 312 593	324	307	42 534	910	227	29 156	1 270 059	1	1
17	Special trade contractors .....	24 399	19 168	60 518	2 621 149	14 235	14 430	266 266	10 164	4 738	60 518	2 354 883	1	1
1711	Plumbing, heating, and air conditioning....	3 891	2 703	13 645	708 684	1 834	1 832	45 440	2 057	871	13 645	663 244	2	2
1731	Electrical work .....	2 497	1 649	9 510	413 149	1 134	1 111	20 074	1 363	538	9 510	393 075	3	2
6552	Subdividers and developers, n.e.c. <sup>2</sup> .....	220	105	380	64 961	118	99	17 833	102	6	380	47 128	17	22

<sup>1</sup>For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

<sup>2</sup>For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.



**Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll <sup>1</sup>			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
<b>1982</b>													
<b>The State</b> .....	36 823	24 664	121 467	10 278 300	21 293	20 655	1 337 638	15 530	4 009	121 467	8 940 662	1	1
\$10,000,000 or more .....	126	20	23 413	3 069 101	10	12	406 695	116	8	23 413	2 662 406	(W)	(W)
\$5,000,000 to \$9,999,999 .....	186	12	13 170	1 286 911	4	6	25 857	182	6	13 170	1 261 054	(W)	(W)
\$2,500,000 to \$4,999,999 .....	350	32	14 056	1 194 808	19	21	63 910	331	11	14 056	1 130 898	(W)	(W)
\$1,000,000 to \$2,499,999 .....	919	80	17 122	1 403 284	62	54	95 330	857	26	17 122	1 307 954	2	2
\$500,000 to \$999,999 .....	1 426	143	14 582	996 068	110	67	73 674	1 316	76	14 582	922 394	3	3
\$250,000 to \$499,999 .....	2 259	425	13 230	788 146	261	185	86 796	1 998	240	13 230	701 350	4	3
\$100,000 to \$249,999 .....	5 089	2 142	14 626	801 738	1 048	931	154 250	4 041	1 211	14 626	647 488	3	3
\$50,000 to \$99,999 .....	5 328	3 482	6 175	378 261	2 393	2 390	163 907	2 935	1 092	6 175	214 354	4	4
\$25,000 to \$49,999 .....	5 904	4 625	2 972	208 417	3 982	3 943	138 041	1 922	682	2 972	70 376	5	4
Less than \$25,000 .....	15 233	13 700	2 119	151 563	13 404	13 046	129 178	1 829	654	2 119	22 385	4	4
\$10,000 to \$24,999 .....	(NA)	(NA)	(NA)	(NA)	6 030	5 909	97 262	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999 .....	(NA)	(NA)	(NA)	(NA)	3 320	3 217	22 873	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999 .....	(NA)	(NA)	(NA)	(NA)	2 593	2 528	7 582	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000 .....	(NA)	(NA)	(NA)	(NA)	1 461	1 392	1 461	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
<b>1977</b>													
<b>The State</b> .....	32 945	23 878	115 043	6 157 520	17 557	17 374	501 819	15 388	6 504	115 043	5 655 701	1	1
\$10,000,000 or more .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 <sup>2</sup> .....	147	18	32 779	(D)	2	-	(D)	145	18	32 779	1 941 393	2	2
\$2,500,000 to \$4,999,999 .....	192	20	8 932	2 624 558	9	8	57 370	183	12	8 932	625 795	1	1
\$1,000,000 to \$2,499,999 .....	613	52	15 519	925 229	19	13	26 799	594	39	15 519	898 430	1	2
\$500,000 to \$999,999 .....	1 001	111	12 747	694 126	54	24	36 227	947	87	12 747	657 899	2	3
\$250,000 to \$499,999 .....	1 834	413	13 459	643 974	110	66	37 727	1 724	347	13 459	606 247	3	3
\$100,000 to \$249,999 .....	3 849	1 586	15 504	609 783	407	304	61 397	3 442	1 282	15 504	548 386	3	3
\$50,000 to \$99,999 .....	4 600	2 928	8 811	324 740	1 046	1 085	70 080	3 554	1 843	8 811	254 660	5	4
\$25,000 to \$49,999 .....	5 207	4 251	4 297	182 872	2 652	2 749	90 770	2 555	1 502	4 297	92 102	6	6
Less than \$25,000 .....	15 504	14 500	2 994	152 239	13 258	13 125	121 449	2 246	1 375	2 994	30 790	12	14
\$10,000 to \$24,999 .....	7 199	6 582	2 160	114 772	5 590	5 582	87 438	1 609	1 000	2 160	27 334	8	8
\$5,000 to \$9,999 .....	(NA)	(NA)	(NA)	(NA)	3 616	3 585	24 862	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 .....	(NA)	(NA)	(NA)	(NA)	2 774	2 730	8 192	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 .....	(NA)	(NA)	(NA)	(NA)	1 278	1 228	957	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

<sup>1</sup>For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

<sup>2</sup>Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

**Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers -----	15 530	121 467	98 810	2 279 343	1 765 318	156 747	8 718 512	6 871 562
15,16, 17	Construction industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	2 149	8 617	7 190	99 899	78 661	10 029	536 679	395 532
1522	Other residential buildings -----	216	1 055	879	16 505	11 427	1 199	119 537	49 981
1531	Operative builders -----	511	2 729	1 317	47 818	17 536	2 024	1405 729	235 894
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	253	3 650	2 909	78 418	58 611	4 528	430 318	206 287
1542	Nonresidential buildings, n.e.c. -----	587	8 642	6 653	165 026	114 643	10 326	1 132 935	451 835
16	Heavy construction general contractors:								
1611	Highway and street construction -----	324	4 575	3 807	85 539	67 659	5 861	381 346	317 344
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	16	686	600	16 088	13 289	1 191	85 952	67 324
1623	Water, sewer, and utility lines -----	219	4 731	3 999	124 126	100 632	7 594	418 337	375 400
1629	Heavy construction, n.e.c. -----	213	7 636	6 026	183 602	136 478	10 783	631 407	544 410
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning -----	2 344	18 076	14 155	382 240	290 977	23 601	1 214 186	1 065 244
1721	Painting, paper hanging, and decorating -----	892	3 636	3 213	52 946	45 000	4 980	137 989	132 273
1731	Electrical work -----	1 548	14 081	11 170	301 428	246 613	18 902	904 331	878 486
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	902	5 154	4 690	70 846	60 475	7 428	199 634	186 607
1742	Plastering, drywall, and insulation work -----	348	5 040	4 218	98 077	80 206	6 181	264 077	253 580
1743	Terrazzo, tile, marble, and mosaic work -----	139	874	751	11 783	9 600	986	41 812	40 782
175	Carpentering and flooring:								
1751	Carpentering -----	1 291	4 911	4 379	64 543	56 257	6 533	231 847	207 338
1752	Floor laying and other floorwork -----	254	1 106	925	17 229	13 039	1 400	51 891	50 081
1761	Roofing and sheet metal work -----	808	6 301	5 367	99 667	76 048	7 736	316 155	302 533
1771	Concrete work -----	571	4 629	4 122	73 600	62 412	5 743	256 091	225 359
1781	Water well drilling -----	53	364	308	7 800	5 682	593	27 751	26 188
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	146	2 265	1 947	49 504	40 947	3 153	146 112	136 234
1793	Glass and glazing work -----	133	1 272	965	23 612	16 084	1 421	79 188	75 834
1794	Excavating and foundation work -----	578	3 423	2 934	60 186	50 862	4 599	241 939	218 004
1795	Wrecking and demolition work -----	44	677	583	11 597	9 818	776	30 651	29 914
1796	Installing building equipment, n.e.c. -----	175	2 601	2 050	61 249	46 716	3 480	185 822	175 886
1799	Special trade contractors, n.e.c. -----	714	4 263	3 486	69 690	54 233	5 400	223 671	208 674
6552	Subdividers and developers, n.e.c. -----	94	(S)	(S)	(S)	(S)	(S)	(S)	(S)

†Land receipts for SIC 1531 were \$46,538.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
4 392 823	2 640 800	1 846 949	119 095	141 770	1 458 273	115 043	5 489 386	2 584 532	1	1	2	15,16, 17
												15
217 048	186 670	141 146	4 478	7 398	63 250	8 443	432 853	167 829	4	3	5	152
35 185	15 752	69 555	438	732	5 876	1 897	154 341	29 541	7	6	11	1521
												1522
141 690	100 509	169 835	827	11 530	93 307	3 937	454 729	152 592	5	4	3	1531
133 479	77 483	224 031	3 450	2 365	33 116	4 294	336 308	92 478	4	4	7	154
297 175	169 681	681 100	8 252	11 240	90 269	6 419	509 474	145 316	2	2	2	1541
												1542
												16
157 508	175 857	64 002	8 518	9 809	145 250	5 305	296 299	155 320	3	3	5	1611
37 831	30 024	18 628	3 569	1 154	15 808	366	37 580	19 017	3	1	(W)	162
270 835	107 341	42 936	14 787	17 745	125 213	4 657	229 267	122 874	1	1	(W)	1622
379 844	178 972	86 997	17 835	13 562	173 078	18 828	680 836	324 666	1	1	5	1623
												1629
												17
662 471	416 614	148 941	10 033	14 464	140 662	13 645	656 498	331 224	1	1	3	1711
102 632	30 402	5 716	1 629	3 840	19 276	3 474	83 225	61 181	5	4	16	1721
517 706	369 926	25 845	6 406	9 730	120 273	9 510	390 875	248 417	2	1	4	1731
122 025	66 537	13 027	2 559	2 584	41 752	5 007	134 669	86 224	4	4	4	174
189 126	93 187	10 497	2 574	2 499	21 300	3 397	135 709	81 239	2	2	6	1741
23 346	17 505	1 030	80	278	3 999	443	14 956	8 616	11	8	18	1742
												1743
127 121	81 980	24 509	2 171	2 188	21 644	3 956	118 100	66 132	4	4	11	175
32 084	18 756	1 810	515	956	4 883	1 141	42 192	22 379	9	8	17	1751
												1752
183 417	126 241	13 622	2 817	3 870	37 128	5 319	209 687	114 832	3	3	5	1761
137 804	90 327	30 732	5 581	5 261	50 366	2 100	80 004	44 333	4	4	5	1771
16 898	9 350	1 563	356	564	10 971	443	17 305	10 078	9	7	(W)	1781
106 669	32 246	9 878	4 072	1 921	18 999	2 275	63 039	37 664	5	4	4	179
40 613	37 334	3 354	490	1 729	8 631	927	35 892	19 230	7	6	13	1791
156 181	66 932	23 934	11 393	9 036	137 936	2 801	117 295	79 730	5	4	5	1793
26 873	3 790	737	1 376	874	15 402	479	16 894	15 289	2	3	(W)	1794
126 298	54 329	9 935	1 661	1 997	14 697	1 640	82 406	58 621	3	2	3	1795
139 209	77 792	14 997	2 996	4 058	33 295	3 961	124 410	76 128	4	4	8	1796
												1799
(S)	(S)	(S)	(S)	(S)	(S)	380	34 549	13 586	-	-	-	6552



**Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year .....	15 530	15 388	15 530	15 450	1	2	2	2
Number of establishments in business at end of year .....	15 225	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Proprietors and working partners .....	4 009	6 504	7 136	9 712	4	4	4	4
All employees** .....	121 467	115 043	129 730	112 540	1	1	2	1
Construction workers:								
March .....	84 208	79 229	88 096	81 955	1	1	2	2
May .....	100 349	101 731	105 004	96 648	1	1	2	1
August .....	106 347	106 993	118 259	103 824	1	1	2	1
November .....	98 087	98 947	110 929	94 330	1	1	2	1
Average .....	98 810	96 806	107 165	95 706	1	1	2	1
Other employees:								
March .....	22 432	17 255	21 212	16 486	1	1	2	2
Construction worker hours (thousands):								
January to March .....	33 413	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
April to June .....	40 332	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
July to September .....	43 109	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
October to December .....	39 892	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Total hours worked .....	156 747	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Payroll, all employees .....	2 279 343	1 493 471	1 374 819	856 856	1	1	1	1
Payroll, construction workers .....	1 765 318	1 185 829	1 103 235	701 984	1	1	1	1
Payroll, other employees .....	514 025	307 643	271 584	155 934	1	1	2	2
First quarter payroll, all employees .....	483 015	272 613	(NA)	(NA)	1	1	(NA)	(NA)
Employer costs for fringe benefits .....	425 440	292 463	(NA)	(NA)	1	(W)	(NA)	(NA)
Legally required expenditures .....	326 805	156 679	(NA)	(NA)	1	1	(NA)	(NA)
Voluntary expenditures .....	98 635	135 783	(NA)	(NA)	1	(W)	(NA)	(NA)
All business receipts .....	8 940 662	5 655 701	5 107 733	3 375 521	1	1	2	1
Total construction receipts .....	8 718 512	5 489 386	4 967 877	3 250 474	1	1	2	1
Receipts for work subcontracted in from others .....	2 137 584	1 402 690	1 101 781	667 632	1	1	2	2
Land receipts <sup>1</sup> .....	60 087	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
Other business receipts .....	162 062	166 315	139 856	124 999	2	3	2	5
Net construction receipts† .....	6 871 562	4 258 469	3 760 677	2 543 258	1	1	2	1
Value added†† .....	4 392 823	2 584 532	2 361 787	1 531 454	1	1	2	1
Selected payments .....	4 487 750	2 999 052	2 674 529	1 805 910	1	1	2	2
Materials, components, and supplies <sup>2</sup> .....	2 479 330	1 676 547	1 467 329	1 098 980	1	1	2	1
Construction work subcontracted to others .....	1 846 949	1 230 916	1 207 200	707 273	1	1	2	3
Selected power, fuels, and lubricants .....	161 470	91 589	(NA)	(NA)	1	1	(NA)	(NA)
Electricity .....	24 390	15 150	(NA)	(NA)	2	2	(NA)	(NA)
Natural gas .....	5 741	4 230	(NA)	(NA)	4	4	(NA)	(NA)
Gasoline and diesel fuel (including gasohol) .....	121 384	60 142	(NA)	(NA)	1	1	(NA)	(NA)
Other, including lubricating oils and greases .....	9 954	12 069	(NA)	(NA)	3	3	(NA)	(NA)
Storage capacity for fuels (thousand gallons) <sup>3</sup> .....	3 259	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures .....	119 095	67 513	(NA)	(NA)	1	1	(NA)	(NA)
For machinery and equipment .....	90 116	53 160	71 302	37 699	1	2	3	2
For structures .....	28 979	14 352	(NA)	(NA)	2	2	(NA)	(NA)
Selected purchased services .....	127 273	91 261	(NA)	(NA)	1	1	(NA)	(NA)
Communication services .....	41 392	31 400	(NA)	(NA)	2	1	(NA)	(NA)
Repairs to structures and related facilities .....	9 139	5 187	(NA)	(NA)	3	4	(NA)	(NA)
Repairs to machinery and equipment .....	76 741	54 674	(NA)	(NA)	1	2	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts .....	8 718 512	5 489 386	4 967 877	3 250 474	1	1	2	1
Government owned .....	1 725 308	1 126 539	1 408 443	773 531	2	1	2	3
Privately owned .....	6 993 203	4 362 847	3 559 434	2 476 943	1	1	2	2

<sup>1</sup>Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

<sup>2</sup>For 1967 and 1972, includes data for power, fuels, and lubricants.

<sup>3</sup>Data were collected only for establishments classified as heavy construction contractors.

**Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	1 369 384	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	141 770	119 251	125 862	53 428	2	2	3	4
New -----	107 280	100 636	109 942	42 003	2	2	3	4
Used -----	34 490	18 615	15 920	11 425	4	6	5	15
Retirements and disposition of depreciable assets -----	52 881	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	1 458 273	871 585	707 882	(NA)	1	1	3	(NA)
Depreciation charges during year -----	173 238	78 453	79 885	(NA)	1	1	10	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	257 491	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	25 025	19 644	34 662	9 438	3	14	4	10
New structures and related facilities -----	19 993	16 125	32 156	7 405	3	11	2	12
Used structures and related facilities -----	5 032	3 519	2 506	2 033	5	17	7	8
Retirements and disposition of depreciable assets -----	12 206	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	270 310	196 923	150 077	(NA)	2	2	3	(NA)
Depreciation charges during year -----	22 122	9 371	9 367	(NA)	3	3	4	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	1 111 892	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	116 745	99 607	91 200	43 990	2	4	4	10
New machinery and equipment, including automobiles and trucks -----	87 287	84 511	77 786	34 598	2	2	4	3
New automobiles and trucks, intended primarily for highway use -----	41 615	38 615	(NA)	(NA)	3	3	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	29 458	15 096	13 414	9 392	5	6	5	18
Retirements and disposition of depreciable assets -----	40 675	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	1 187 963	674 662	557 805	(NA)	1	1	3	(NA)
Depreciation charges during year -----	151 116	69 082	70 518	(NA)	1	1	11	(NA)

**Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number .....	15 530	1
Total construction receipts .....	8 718 512	1
Establishments with inventories:		
Number .....	4 820	4
Total construction receipts .....	4 010 135	1
Inventories <sup>1</sup> :		
End of 1982, total .....	214 956	3
Value for establishments with LIFO reserve .....	10 605	19
Amount of LIFO reserve .....	4 983	40
Value for establishments with no LIFO reserve .....	204 351	3
End of 1981, total .....	203 824	3
Value for establishments with LIFO reserve .....	10 005	17
Amount of LIFO reserve .....	*4 133	42
Value for establishments with no LIFO reserve .....	193 819	4
Establishments with no inventories:		
Number .....	10 710	1
Total construction receipts .....	4 708 377	1

<sup>1</sup>Inventories at cost or market prior to any adjustment to correct to LIFO values.



**Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—									1,000 employees or more
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees		
<b>1982</b>											
Number of establishments -----	15 530	10 336	2 667	1 438	759	197	103	21	5	3	
All employees** -----	121 467	20 221	17 328	18 930	22 713	13 501	15 220	6 818	3 248	3 487	
Payroll, all employees -----	2 279 343	226 560	253 363	337 755	478 072	313 910	368 406	151 766	68 651	80 859	
Construction worker hours (thousands) -----	156 747	24 567	20 509	23 224	30 052	18 786	21 289	10 011	4 205	4 100	
All business receipts -----	8 940 662	1 127 596	1 031 746	1 259 798	1 923 599	3 379 695	(D)	(D)	(D)	218 226	
Total construction receipts -----	8 718 512	1 096 869	1 001 777	1 231 590	1 883 904	1 167 770	1 405 194	512 848	200 333	218 226	
Net construction receipts† -----	6 871 562	912 264	820 635	1 016 551	1 413 069	917 220	997 650	418 879	375 293	(D)	
Value added†† -----	4 392 823	521 802	503 780	630 944	907 210	625 184	662 771	330 293	86 698	124 139	
Payments for materials, components, supplies, and fuels -----	2 640 801	403 345	331 991	405 355	535 860	314 674	356 223	293 351	(D)	(D)	
Payments for construction work subcontracted to others -----	1 846 949	184 604	181 142	215 039	470 835	250 550	407 544	93 969	43 266	(D)	
Rental payments for machinery, equipment, and structures -----	119 095	10 733	10 380	16 004	29 977	20 099	18 397	8 758	4 747	(D)	
Capital expenditures, other than land -----	141 770	17 905	17 333	20 633	29 451	16 405	21 080	16 480	2 481	(D)	
End-of-year gross book value of depreciable assets -----	1 458 273	221 433	180 698	221 131	278 131	150 251	222 759	121 021	62 848	(D)	
<b>1977</b>											
All employees** -----	115 043	20 380	16 978	17 508	18 287	11 432	8 265	6 727	15 467	(D)	
Total construction receipts -----	5 489 386	888 629	698 151	797 800	1 009 475	781 649	526 615	787 068	(D)	(D)	
Value added†† -----	2 584 532	394 843	335 708	401 247	468 141	375 828	255 934	174 949	177 883	(D)	
<b>1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>											
All employees** -----	1	2	3	3	1	(W)	(W)	(W)	(W)	(W)	
Net construction receipts† -----	1	2	3	2	1	(W)	(W)	(W)	(W)	-	
Capital expenditures, other than land -----	2	6	8	7	1	(W)	(W)	(W)	(W)	(W)	

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

**Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
<b>1982</b>											
Number of establishments -----	15 530	1 829	1 922	2 935	4 041	1 998	1 316	857	331	182	116
All employees** -----	121 467	2 119	2 972	6 175	14 626	13 230	14 582	17 122	14 056	13 170	23 413
Payroll, all employees -----	2 279 343	6 896	19 933	55 273	174 559	190 649	250 817	361 712	311 237	321 174	587 090
Construction worker hours (thousands) -----	156 747	1 959	3 078	6 934	17 968	16 188	17 380	22 683	19 379	18 423	32 752
All business receipts -----	8 940 662	22 385	70 376	214 354	647 488	701 350	922 394	1 307 954	1 130 898	1 261 054	2 662 406
Total construction receipts -----	8 718 512	22 064	69 646	210 688	637 312	682 270	897 553	1 277 077	1 099 792	1 236 477	2 585 631
Net construction receipts† -----	6 871 562	18 701	65 202	194 693	578 002	592 749	753 397	1 063 348	905 958	925 241	1 774 269
Value added†† -----	4 392 823	9 709	39 218	114 433	346 453	358 221	473 381	666 660	588 579	615 426	1 180 739
Payments for materials, components, supplies, and fuels -----	2 640 801	9 209	26 538	82 964	238 129	246 343	293 160	416 072	338 722	330 410	659 251
Payments for construction work subcontracted to others -----	1 846 949	*3 363	4 443	15 994	59 310	89 520	144 156	213 729	193 834	311 236	811 362
Rental payments for machinery, equipment, and structures -----	119 095	251	553	2 164	6 862	8 554	10 938	20 313	16 676	15 815	36 966
Capital expenditures, other than land -----	141 770	225	1 161	3 794	11 867	12 808	18 076	18 356	16 750	15 560	43 171
End-of-year gross book value of depreciable assets -----	1 458 273	8 319	20 350	48 487	147 077	133 932	162 490	205 045	158 900	160 765	412 905
<b>1977</b>											
All employees** -----	115 043	2 994	4 297	8 811	15 504	13 459	12 747	15 519	8 932	132 779	(NA)
Total construction receipts -----	5 489 386	30 652	91 047	251 689	535 924	590 065	639 147	870 246	605 905	1 874 712	(NA)
Value added†† -----	2 584 532	16 685	52 646	129 822	279 864	287 709	317 673	418 455	293 797	1 787 882	(NA)
<b>1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>											
All employees** -----	1	4	5	4	3	4	3	2	(W)	(W)	(W)
Net construction receipts† -----	1	8	4	4	3	4	3	2	(W)	(W)	(W)
Capital expenditures, other than land -----	2	28	17	12	8	8	10	2	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

\*Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

**Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction <sup>1</sup>	Maintenance and repair	A	B	C
	A	B	C			
<b>1982</b>						
<b>Total construction receipts†</b>	<b>8 718 512</b>	<b>6 804 556</b>	<b>1 913 955</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Building construction</b>	<b>6 090 130</b>	<b>4 864 598</b>	<b>1 225 532</b>	<b>1</b>	<b>1</b>	<b>1</b>
Single-family houses	1 421 591	1 112 242	309 348	2	2	3
Single-family houses, detached	1 182 703	910 836	271 867	2	2	3
Single-family houses, attached	238 887	201 406	37 481	4	4	5
Apartment buildings with two or more apartments	374 051	296 015	78 035	2	2	6
Other residential buildings	113 600	94 872	18 727	3	3	4
Office and bank buildings	1 324 847	1 128 245	196 602	1	1	2
Office buildings	1 207 401	1 040 969	166 432	1	1	3
Bank buildings and other financial institutions	117 446	87 276	30 169	2	3	6
Farm buildings	28 994	25 272	*3 721	6	3	47
Industrial buildings and warehouses	1 512 813	1 175 797	337 015	1	1	2
Industrial buildings	1 290 565	992 510	298 054	1	1	2
Warehouses	222 248	183 287	38 961	2	2	4
Stores, restaurants, public garages, and automobile service stations	412 978	301 695	111 283	2	3	4
Religious buildings	58 469	39 392	19 076	5	8	7
Educational buildings	303 966	241 069	62 897	2	2	4
Hospitals and institutional buildings	414 724	354 547	60 176	1	1	5
Amusement, social, and recreational buildings	49 364	38 756	10 607	4	4	9
Other nonresidential buildings	74 733	56 696	18 045	6	5	10
<b>Nonbuilding construction</b>	<b>1 966 222</b>	<b>1 415 941</b>	<b>550 281</b>	<b>1</b>	<b>1</b>	<b>1</b>
Highways, streets, and related facilities	463 585	276 911	186 674	2	3	2
Bridges, tunnels, and elevated highways	99 393	54 637	44 755	1	2	(W)
Marine construction	106 920	54 162	52 757	3	3	4
Power and communication transmission lines, towers, and related facilities	53 703	42 744	10 959	3	4	2
Sewers, water mains, and related facilities	331 111	245 192	85 918	2	3	5
Sewers, sewer lines, and related facilities	210 831	160 342	30 488	3	4	6
Water mains and related facilities	120 279	64 849	55 429	4	3	8
Pipeline, other than sewer or water lines	116 147	99 055	17 092	2	2	(W)
Sewage treatment and water treatment plants	182 415	164 124	18 291	1	1	5
Sewage treatment plants	147 713	133 945	13 767	1	1	5
Water treatment plants	34 702	30 178	4 524	4	3	21
Mass transit construction	138 125	125 275	12 850	1	(W)	8
Subways	77 566	76 032	1 533	1	(W)	29
Railroads	60 559	49 242	11 317	2	(W)	9
Heavy industrial facilities	346 595	261 818	84 777	1	1	2
Blast furnaces, petroleum refineries, and chemical complexes	129 433	78 952	50 481	2	2	3
Power plants	217 161	182 865	34 295	(W)	(W)	2
Power plants, nuclear	93 661	83 706	9 955	1	1	(W)
Power plants, except nuclear	123 499	99 159	24 340	1	(W)	3
Other nonbuilding construction	128 228	92 023	36 208	8	8	11
<b>Construction work, n.s.k.</b>	<b>662 159</b>	<b>524 016</b>	<b>138 142</b>	<b>3</b>	<b>3</b>	<b>3</b>
<b>1977</b>						
<b>Total construction receipts†</b>	<b>5 489 386</b>	<b>4 425 170</b>	<b>1 064 216</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Building construction</b>	<b>3 704 206</b>	<b>2 951 374</b>	<b>752 832</b>	<b>1</b>	<b>1</b>	<b>2</b>
Single-family houses	1 303 069	1 038 880	264 189	2	3	4
Apartment buildings with two or more apartments	297 418	228 744	68 674	2	2	5
Other residential buildings	77 751	56 480	21 271	3	4	6
Office and bank buildings	410 596	334 315	76 281	1	1	3
Industrial buildings and warehouses	838 381	657 909	180 472	1	1	2
Stores, restaurants, public garages, and automobile service stations	221 020	162 327	58 693	2	2	4
Religious buildings	52 519	38 812	13 707	4	5	8
Educational buildings	197 368	166 291	31 077	1	1	4
Hospitals and institutional buildings	238 088	210 595	27 493	1	1	2
Other nonresidential buildings	67 996	57 020	10 976	3	3	8
<b>Nonbuilding construction</b>	<b>1 468 393</b>	<b>1 208 414</b>	<b>259 979</b>	<b>1</b>	<b>1</b>	<b>2</b>
Highways, streets, and related facilities	299 841	232 595	67 246	3	2	9
Bridges, tunnels, and elevated highways	61 339	46 055	15 284	1	1	1
Marine construction	70 639	59 234	11 405	3	3	3
Power and communication transmission lines, towers, and related facilities	40 498	34 018	6 480	1	1	9
Sewers, water mains, and related facilities	214 432	182 475	31 957	3	3	3
Sewage treatment and water treatment plants	166 505	148 530	17 975	1	2	1
Mass transit construction	77 451	68 164	9 287	(W)	(W)	2
Heavy industrial facilities	279 992	251 609	28 383	(W)	(W)	2
Power plants	121 752	90 223	31 529	1	1	1
Other nonbuilding construction	135 944	95 511	40 433	4	5	3
<b>Construction work, n.s.k.</b>	<b>316 834</b>	<b>265 005</b>	<b>51 829</b>	<b>4</b>	<b>3</b>	<b>4</b>

<sup>1</sup>Includes data for work done as additions and alterations.



**Table 10. Quarterly Construction Worker Hours and Employment for Establishments With**

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers <sup>1</sup>	Hours worked (thousands)	Construction workers <sup>1</sup>	Hours worked (thousands)
		A	B	C	D	E	F	G
	<b>Construction industries and subdividers and developers-----</b>	<b>15 530</b>	<b>98 810</b>	<b>156 747</b>	<b>84 208</b>	<b>33 413</b>	<b>100 349</b>	<b>40 332</b>
<b>15,16, 17</b>	<b>Construction industries:</b>							
<b>15</b>	<b>General building contractors and operative builders:</b>							
1521	General contractors, residential buildings:							
1521	Single-family houses -----	2 149	7 190	10 029	6 214	2 222	6 998	2 524
1522	Other residential buildings -----	216	879	1 199	752	267	892	316
1531	Operative builders -----	511	1 317	2 024	1 229	463	1 315	513
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses -----	253	2 909	4 528	2 811	1 084	2 853	1 116
1542	Nonresidential buildings, n.e.c. -----	587	6 653	10 326	5 686	2 231	6 679	2 586
<b>16</b>	<b>Heavy construction general contractors:</b>							
1611	Highway and street construction -----	324	3 807	5 861	2 375	868	4 132	1 616
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction -----	16	600	1 191	626	303	694	327
1623	Water, sewer, and utility lines -----	219	3 999	7 594	3 138	1 357	4 498	2 180
1629	Heavy construction, n.e.c. -----	213	6 026	10 783	4 985	2 160	6 280	2 867
<b>17</b>	<b>Special trade contractors:</b>							
1711	Plumbing, heating, and air conditioning -----	2 344	14 155	23 601	13 591	5 678	13 962	5 770
1721	Painting, paper hanging, and decorating -----	892	3 213	4 980	2 251	886	3 499	1 354
1731	Electrical work -----	1 548	11 170	18 902	10 499	4 496	11 022	4 759
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework -----	902	4 690	7 428	3 562	1 352	4 715	1 933
1742	Plastering, drywall, and insulation work -----	348	4 218	6 181	3 939	1 463	4 212	1 569
1743	Terrazzo, tile, marble, and mosaic work -----	139	751	986	633	224	758	257
175	Carpentering and flooring:							
1751	Carpentering -----	1 291	4 379	6 533	3 605	1 431	4 214	1 669
1752	Floor laying and other floorwork -----	254	925	1 400	802	308	890	362
1761	Roofing and sheet metal work -----	808	5 367	7 736	4 493	1 604	5 449	1 944
1771	Concrete work -----	571	4 122	5 743	2 553	890	4 403	1 512
1781	Water well drilling -----	53	308	593	292	134	306	151
179	Miscellaneous special trade contractors:							
1791	Structural steel erection -----	146	1 947	3 153	1 675	696	1 963	775
1793	Glass and glazing work -----	133	965	1 421	919	331	949	346
1794	Excavating and foundation work -----	578	2 934	4 599	2 300	883	3 036	1 240
1795	Wrecking and demolition work -----	44	583	776	597	198	588	185
1796	Installing building equipment, n.e.c. -----	175	2 050	3 480	1 932	792	2 061	905
1799	Special trade contractors, n.e.c. -----	714	3 486	5 400	2 588	1 008	3 816	1 467
<b>6552</b>	<b>Subdividers and developers, n.e.c. -----</b>	<b>94</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>

<sup>1</sup>Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
106 347	43 109	98 087	39 892	1	1	1	1	1	1	1	1	1	1	15,16, 17
														15
7 752 967	2 759 327	7 010 839	2 523 287	4 7	4 8	4 8	5 11	4 7	5 10	5 8	5 10	4 7	5 10	152 1521 1522
1 329	543	1 243	504	8	7	9	10	9	9	8	9	8	9	1531
3 127 7 248	1 184 2 806	2 764 6 775	1 141 2 702	4 2	4 2	4 2	4 3	4 2	5 2	4 2	5 3	4 2	5 2	154 1541 1542
														16
4 449	1 764	4 147	1 611	4	3	4	4	3	3	4	4	4	4	1611
														162
523 4 530 6 747	273 2 249 3 112	555 3 779 6 019	286 1 807 2 643	3 1 1	3 1 1	2 1 1	1 1 1	4 1 1	3 1 1	5 1 1	5 1 1	4 1 1	5 2 1	1622 1623 1629
														17
14 491	6 179	13 919	5 973	2	2	2	2	2	2	2	2	2	2	1711
3 625	1 476	3 096	1 263	5	6	5	7	6	7	6	8	6	7	1721
11 498	4 876	11 008	4 769	2	2	2	2	2	2	2	2	2	2	1731
														174
5 365 4 281 793	2 207 1 568 260	4 665 4 224 741	1 935 1 580 243	4 2 11	4 2 12	5 2 12	6 2 15	4 2 12	5 2 14	4 3 13	5 3 15	4 3 10	5 3 14	1741 1742 1743
4 482 1 023	1 763 372	4 164 881	1 669 356	4 9	4 9	4 9	6 12	4 9	5 12	4 14	6 13	4 10	6 13	175 1751 1752
5 701	2 122	5 606	2 065	3	4	4	5	3	4	3	4	5	6	1761
4 786	1 697	4 466	1 643	4	4	4	6	5	5	4	5	4	4	1771
309	155	303	152	9	9	9	12	8	11	9	12	9	12	1781
														179
2 089 1 022 3 171	876 373 1 321	2 049 948 2 934	805 369 1 153	5 7 5	4 9 5	4 8 5	5 11 7	6 8 5	5 11 6	4 7 5	4 10 6	6 7 5	4 10 5	1791 1793 1794
566 2 319 3 983	193 974 1 596	574 1 885 3 326	198 806 1 327	2 2 4	3 2 5	3 2 4	5 2 6	2 2 4	4 3 6	1 3 4	3 3 5	2 3 4	4 3 5	1795 1796 1799
(S)	(S)	(S)	(S)	-	-	-	-	-	-	-	-	-	-	6552

**Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	<b>Construction industries and subdividers and developers</b> .....	<b>7.8</b>	<b>18.8</b>	<b>1.6</b>	<b>88.2</b>	<b>.261</b>	<b>.303</b>	<b>.212</b>	<b>.016</b>	<b>.014</b>
15, 16, 17	<b>Construction industries:</b>									
15	<b>General building contractors and operative builders:</b>									
152	General contractors, residential buildings:									
1521	Single-family houses .....	4.0	11.6	1.4	74.6	.186	.348	.263	.014	.008
1522	Other residential buildings .....	4.9	15.6	1.4	136.0	.138	.132	.582	.006	.004
1531	Operative builders .....	5.3	17.5	1.5	308.1	.118	.248	.419	.028	.002
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses .....	14.4	21.5	1.6	147.9	.182	.180	.521	.005	.008
1542	Nonresidential buildings, n.e.c. ....	14.7	19.1	1.6	170.3	.146	.150	.601	.010	.007
16	<b>Heavy construction general contractors:</b>									
1611	Highway and street construction .....	14.1	18.7	1.5	100.2	.224	.461	.168	.026	.022
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction .....	42.9	23.5	2.0	143.3	.187	.349	.217	.013	.042
1623	Water, sewer, and utility lines .....	21.6	26.2	1.9	104.6	.297	.257	.103	.042	.035
1629	Heavy construction, n.e.c. ....	35.8	24.0	1.8	104.8	.291	.283	.138	.021	.028
17	<b>Special trade contractors:</b>									
1711	Plumbing, heating, and air conditioning .....	7.7	21.1	1.7	85.8	.315	.343	.123	.012	.008
1721	Painting, paper hanging, and decorating .....	4.1	14.6	1.5	42.9	.384	.220	.041	.028	.012
1731	Electrical work .....	9.1	21.4	1.7	81.0	.333	.409	.029	.011	.007
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework .....	5.7	13.7	1.6	42.6	.355	.333	.065	.013	.013
1742	Plastering, drywall, and insulation work .....	14.5	19.5	1.5	62.6	.371	.353	.040	.009	.010
1743	Terrazzo, tile, marble, and mosaic work .....	6.3	13.5	1.3	55.7	.282	.419	.025	.007	.002
175	Carpentering and flooring:									
1751	Carpentering .....	3.8	13.1	1.5	52.9	.278	.354	.106	.009	.009
1752	Floor laying and other floorwork .....	4.4	15.6	1.5	56.1	.332	.361	.035	.018	.010
1761	Roofing and sheet metal work .....	7.8	15.8	1.4	58.9	.315	.399	.043	.012	.009
1771	Concrete work .....	8.1	15.9	1.4	62.1	.287	.353	.120	.021	.022
1781	Water well drilling .....	7.2	20.3	1.9	90.1	.281	.337	.056	.020	.013
179	Miscellaneous special trade contractors:									
1791	Structural steel erection .....	15.5	21.9	1.6	75.0	.339	.221	.068	.013	.028
1793	Glass and glazing work .....	9.6	18.6	1.5	82.1	.298	.471	.042	.022	.006
1794	Excavating and foundation work .....	5.9	17.6	1.6	82.5	.249	.277	.099	.037	.047
1795	Wrecking and demolition work .....	15.4	17.1	1.3	52.6	.378	.124	.024	.029	.045
1796	Installing building equipment, n.e.c. ....	14.9	23.5	1.7	90.6	.330	.292	.053	.011	.009
1799	Special trade contractors, n.e.c. ....	6.0	16.3	1.5	64.2	.312	.348	.067	.018	.013
6552	<b>Subdividers and developers, n.e.c.</b> .....	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>



**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	<b>NEW YORK-NEWARK-JERSEY CITY, N.Y.-N.J.-CONN., SCSA</b>											
	Construction industries and subdividers and developers	26 975	262 748	4 982 549	19 294 312	14 831 348	9 516 824	5 575 932	4 462 964	233 321	1	(W)
15, 16, 17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	3 380	15 176	192 293	965 730	698 830	398 885	319 975	266 900	13 453	3	3
1522	Other residential buildings	523	4 014	74 898	552 336	207 794	126 673	85 269	344 543	3 041	4	3
1531	Operative builders	702	3 824	68 418	486 091	273 122	163 842	116 170	212 969	4 078	5	4
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	353	5 037	106 229	601 143	309 717	204 805	112 400	291 427	3 459	3	3
1542	Nonresidential buildings, n.e.c.	1 218	18 463	412 759	3 328 156	1 236 114	804 511	453 561	2 092 042	19 431	1	1
16	Heavy construction general contractors:											
1611	Highway and street construction	455	7 107	144 326	653 219	531 677	310 356	237 215	121 542	19 068	2	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	30	2 193	50 310	203 209	175 041	107 595	67 697	28 168	3 000	1	1
1623	Water, sewer, and utility lines	349	6 537	157 387	583 664	521 528	364 383	161 895	62 136	22 164	2	2
1629	Heavy construction, n.e.c.	331	15 994	360 348	1 192 496	963 018	642 497	346 602	229 478	14 744	1	(W)
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	4 281	36 441	749 632	2 554 701	2 221 305	1 371 139	879 853	333 396	28 741	2	1
1721	Painting, paper hanging, and decorating	1 933	10 949	173 826	452 280	424 065	333 573	91 513	28 215	5 525	3	2
1731	Electrical work	2 918	50 125	915 962	2 765 399	2 713 851	1 640 746	1 098 464	51 548	22 855	1	1
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	1 284	9 031	145 337	426 736	384 721	254 250	132 766	42 015	5 181	3	3
1742	Plastering, drywall, and insulation work	628	11 498	247 916	658 062	615 670	428 343	201 377	42 393	6 797	2	1
1743	Terrazzo, tile, marble, and mosaic work	265	2 244	32 822	104 677	99 604	57 710	42 602	5 074	1 019	6	5
175	Carpentering and flooring:											
1751	Carpentering	2 248	10 920	157 376	544 348	472 089	296 405	179 276	72 260	5 761	3	3
1752	Floor laying and other floorwork	472	2 778	46 618	156 333	144 979	86 653	61 203	11 354	1 911	5	5
1761	Roofing and sheet metal work	1 316	10 577	176 682	598 229	549 104	329 315	227 823	49 125	7 099	3	3
1771	Concrete work	1 010	9 389	179 734	604 975	561 447	349 498	223 892	43 528	10 607	3	2
1781	Water well drilling	57	476	8 836	31 086	30 738	19 614	12 260	348	*1 069	13	10
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	176	2 917	70 807	194 849	182 906	146 090	41 578	11 943	2 767	3	2
1793	Glass and glazing work	294	2 670	46 845	160 627	153 333	82 763	75 504	7 294	2 736	5	5
1794	Excavating and foundation work	787	5 185	97 024	364 373	323 016	232 974	97 885	41 357	11 959	4	3
1795	Wrecking and demolition work	105	1 879	28 970	78 798	73 629	67 101	9 820	5 169	2 829	2	2
1796	Installing building equipment, n.e.c.	296	6 163	162 297	466 473	449 976	343 816	112 859	16 497	4 301	1	1
1799	Special trade contractors, n.e.c.	1 367	9 895	158 768	514 081	477 026	324 198	173 351	37 055	8 776	3	3
6552	Subdividers and developers, n.e.c.	202	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
	<b>PHILADELPHIA-WILMINGTON-TRENTON, PA.-DEL.-N.J.-MD., SCSA</b>											
	Construction industries and subdividers and developers	9 537	99 394	2 011 096	7 787 014	5 823 418	3 808 173	2 279 790	1 963 596	100 045	1	1
15, 16, 17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	1 369	6 139	71 095	400 183	286 793	167 819	128 933	113 390	4 490	5	5
1522	Other residential buildings	118	627	9 543	56 444	27 437	15 763	12 070	29 007	328	7	7
1531	Operative builders	218	1 628	25 995	202 010	113 802	78 013	37 983	88 208	2 274	6	6
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	188	2 637	53 796	280 232	143 215	82 685	62 689	137 017	2 651	5	4
1542	Nonresidential buildings, n.e.c.	388	6 527	143 526	1 170 646	397 777	280 970	124 106	772 869	6 184	2	2

**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	<b>PHILADELPHIA-WILMINGTON-TRENTON, PA.-DEL.-N.J.-MD., SCSA—Con.</b>											
15,16,17	<b>Construction industries—Con.</b>											
16	<b>Heavy construction general contractors:</b>											
1611	Highway and street construction -----	188	4 576	92 221	443 144	356 762	239 758	178 872	86 383	18 749	2	1
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	9	225	5 386	18 264	(D)	9 700	3 142	(D)	167	3	-
1623	Water, sewer, and utility lines-----	125	5 080	122 991	337 957	301 815	234 307	69 599	36 142	11 293	1	1
1629	Heavy construction, n.e.c.-----	100	10 513	307 868	1 414 406	990 043	604 457	(D)	424 363	7 639	1	(W)
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air conditioning-----	1 497	14 362	311 078	912 651	799 927	489 102	318 392	112 724	10 107	2	2
1721	Painting, paper hanging, and decorating-----	543	4 327	72 897	163 059	154 914	120 690	34 820	8 145	3 420	4	3
1731	Electrical work-----	842	8 341	181 638	548 923	533 571	288 260	249 192	15 352	5 681	3	2
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework-----	466	3 629	59 794	159 294	154 959	105 377	49 695	4 335	2 214	4	4
1742	Plastering, drywall, and insulation-----	288	3 529	70 021	191 674	181 915	121 997	(D)	9 759	1 914	4	3
1743	Terrazzo, tile, marble, and mosaic work-----	81	442	7 395	23 415	22 932	13 960	9 121	483	*107	12	9
175	Carpentering and flooring:											
1751	Carpentering-----	789	3 674	44 680	148 231	130 530	82 229	49 616	17 701	1 234	5	4
1752	Floor laying and other floorwork-----	164	884	13 913	50 123	47 918	24 950	24 339	2 205	811	9	9
1761	Roofing and sheet metal work-----	660	5 669	98 633	295 777	283 404	179 580	108 447	12 373	5 002	4	3
1771	Concrete work-----	471	3 817	59 407	207 222	189 876	126 760	66 764	17 346	2 244	6	4
1781	Water well drilling-----	30	209	3 821	14 949	(D)	8 417	5 639	(D)	220	13	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection-----	87	1 725	38 989	97 486	85 086	73 821	12 870	12 400	1 463	5	4
1793	Glass and glazing work-----	65	759	12 892	38 237	37 339	21 985	17 928	898	515	6	8
1794	Excavating and foundation work-----	343	3 200	50 612	189 655	155 374	113 143	45 470	34 281	6 852	4	4
1795	Wrecking and demolition work-----	24	367	7 622	23 859	21 920	23 140	2 714	1 939	497	3	3
1796	Installing building equipment, n.e.c.-----	109	4 049	104 623	272 737	264 762	223 073	45 099	7 975	1 299	2	1
1799	Special trade contractors, n.e.c.-----	340	2 321	38 225	120 355	112 446	76 248	41 507	7 910	2 403	6	5
6552	Subdividers and developers, n.e.c.---	41	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
	<b>ALLENTOWN-BETHLEHEM-EASTON, PA.-N.J., SMSA</b>											
	<b>Construction industries and subdividers and developers</b>	1 352	9 174	146 821	576 018	450 704	283 667	180 298	125 314	10 944	3	3
15,16,17	<b>Construction industries:</b>											
15	<b>General building contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses-----	219	814	10 535	60 240	38 574	17 192	22 219	21 666	1 163	11	12
1522	Other residential buildings-----	18	45	606	*5 130	1 933	823	1 129	*3 197	(D)	31	28
1531	Operative builders-----	23	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses-----	45	484	10 532	82 936	31 503	19 435	12 095	51 433	154	9	10
1542	Nonresidential buildings, n.e.c.-----	34	291	4 822	24 074	16 362	8 109	8 331	7 712	106	15	19
16	<b>Heavy construction general contractors:</b>											
1611	Highway and street construction-----	39	311	4 813	20 213	18 089	13 183	(D)	2 124	*680	18	11
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1623	Water, sewer, and utility lines-----	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1629	Heavy construction, n.e.c.-----	5	87	1 601	5 362	(D)	2 916	(D)	(D)	(D)	(W)	-



**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	<b>ALLENTOWN-BETHLEHEM-EASTON, PA.-N.J., SMSA—Con.</b>											
	<b>Construction industries—Con.</b>											
15,16,17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air conditioning .....	175	1 087	20 264	71 155	63 140	37 576	26 281	8 016	813	8	7
1721	Painting, paper hanging, and decorating .....	95	344	4 472	9 854	9 376	7 247	2 402	*478	*167	21	18
1731	Electrical work .....	100	835	17 590	41 497	40 675	23 635	17 872	822	768	8	7
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework .....	68	279	3 451	8 270	8 101	5 583	2 518	169	96	16	12
1742	Plastering, drywall, and insulation work .....	30	724	15 859	40 291	37 911	24 037	15 147	2 381	426	9	6
1743	Terrazzo, tile, marble, and mosaic work .....	*13	46	781	2 175	2 164	1 409	756	*11	(D)	22	15
175	Carpentering and flooring:											
1751	Carpentering .....	122	350	3 643	13 811	12 105	7 865	4 362	1 706	*341	20	18
1752	Floor laying and other floorwork .....	17	*107	*1 333	4 159	(D)	2 152	2 524	(D)	35	42	-
1761	Roofing and sheet metal work .....	108	752	8 508	30 627	29 479	18 045	14 035	1 148	415	13	15
1771	Concrete work .....	94	458	5 135	24 716	22 601	12 804	9 865	2 115	513	15	13
1781	Water well drilling .....	5	*23	*383	*1 759	*1 749	1 121	*628	*11	-	41	44
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	14	212	4 959	9 704	9 209	7 763	(D)	495	174	15	11
1793	Glass and glazing work .....	*2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1794	Excavating and foundation work .....	77	414	6 282	19 123	17 295	11 995	5 391	1 829	1 194	15	15
1795	Wrecking and demolition work .....	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c. ....	9	93	2 140	(D)	(D)	4 966	1 711	(D)	*135	19	-
1799	Special trade contractors, n.e.c. ....	30	168	2 388	7 687	6 944	4 303	2 700	743	*270	27	29
6552	Subdividers and developers, n.e.c. ....	8	*11	*261	*676	*487	*384	*190	*189	(D)	50	65
	<b>JERSEY CITY SMSA</b>											
	<b>Construction industries and subdividers and developers.</b>	617	6 725	148 700	502 055	431 675	303 567	133 271	70 381	6 404	3	2
15,16,17	<b>Construction industries:</b>											
15	<b>General building contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	74	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1522	Other residential buildings .....	*15	91	*1 455	8 813	6 717	4 859	1 858	2 096	*60	35	15
1531	Operative builders .....	15	*58	*495	*2 436	*1 527	(D)	503	*909	*43	42	46
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	12	143	2 637	13 319	6 246	3 864	(D)	7 073	(D)	22	28
1542	Nonresidential buildings, n.e.c. ....	19	169	2 936	14 686	6 129	3 871	(D)	8 557	(D)	14	12
16	<b>Heavy construction general contractors:</b>											
1611	Highway and street construction .....	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1623	Water, sewer, and utility lines .....	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1629	Heavy construction, n.e.c. ....	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air conditioning .....	139	1 846	47 734	113 275	100 627	83 654	17 129	12 648	762	5	5
1721	Painting, paper hanging, and decorating .....	28	401	(D)	14 928	14 887	12 413	2 479	*41	*63	25	7
1731	Electrical work .....	80	679	15 923	69 467	67 068	44 699	22 482	2 399	528	9	4
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework .....	29	215	2 558	9 124	8 811	4 698	4 125	*314	*71	15	16
1742	Plastering, drywall, and insulation work .....	16	140	3 136	6 015	5 995	4 776	1 700	*20	(D)	17	11
1743	Terrazzo, tile, marble, and mosaic work .....	3	*20	*44	*86	*86	*61	25	-	-	50	52
175	Carpentering and flooring:											
1751	Carpentering .....	39	171	2 489	7 827	6 894	4 677	2 217	933	(D)	26	29
1752	Floor laying and other floorwork .....	*9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1761	Roofing and sheet metal work .....	53	242	3 157	10 071	9 395	6 166	3 229	676	114	29	26



**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	<b>JERSEY CITY SMSA—Con.</b>											
15,16,17	<b>Construction industries—Con.</b>											
17	<b>Special trade contractors—Con.</b>											
175	Carpentering and flooring—Con.											
1771	Concrete work .....	15	62	1 233	(D)	(D)	(D)	789	(D)	(D)	9	-
1781	Water well drilling .....	-	-	-	-	-	-	-	-	-	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1793	Glass and glazing work .....	*9	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1794	Excavating and foundation work .....	*11	60	1 072	3 676	3 259	2 650	610	417	(S)	29	19
1795	Wrecking and demolition work .....	10	211	3 851	9 132	8 911	8 135	(D)	221	(D)	7	9
1796	Installing building equipment, n.e.c. ....	6	375	10 453	36 361	(D)	18 431	(D)	(D)	(D)	(W)	-
1799	Special trade contractors, n.e.c. ....	12	158	3 580	10 202	9 360	6 437	3 230	842	(D)	13	24
6552	Subdividers and developers, n.e.c. ....	3	(D)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
	<b>LONG BRANCH-ASBURY PARK SMSA</b>											
	<b>Construction industries and subdividers and developers</b>	1 145	6 884	114 399	500 752	391 470	246 909	150 595	109 282	10 566	4	3
15,16,17	<b>Construction industries:</b>											
15	<b>General building contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	176	733	8 772	54 419	32 864	17 874	16 234	21 554	472	14	10
1522	Other residential buildings .....	*10	(S)	(S)	(S)	(S)	(D)	(S)	(S)	(S)	-	-
1531	Operative builders .....	27	172	3 758	31 305	18 425	(D)	7 816	12 880	*68	18	13
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	11	146	2 966	(D)	(D)	5 363	2 382	(D)	(D)	5	-
1542	Nonresidential buildings, n.e.c. ....	39	592	13 371	75 017	39 754	24 807	(D)	35 263	1 388	8	8
16	<b>Heavy construction general contractors:</b>											
1611	Highway and street construction .....	11	168	2 818	19 058	15 571	6 768	(D)	3 487	(D)	5	4
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	5	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(D)	-	-
1623	Water, sewer, and utility lines .....	32	614	13 026	56 326	53 400	37 076	(D)	2 926	3 803	5	3
1629	Heavy construction, n.e.c. ....	17	112	2 399	6 087	5 770	4 881	2 154	317	148	25	25
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air conditioning .....	194	1 100	18 867	72 067	61 295	35 554	26 259	10 772	1 202	9	7
1721	Painting, paper hanging, and decorating .....	46	135	1 419	4 707	4 462	3 578	(D)	*245	(S)	23	22
1731	Electrical work .....	107	743	13 816	37 929	37 495	27 381	10 999	*434	297	10	8
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework .....	77	185	2 188	9 489	7 695	4 904	2 799	(S)	(D)	24	32
1742	Plastering, drywall, and insulation work .....	24	241	4 025	14 067	13 740	8 290	5 458	327	79	13	7
1743	Terrazzo, tile, marble, and mosaic work .....	*17	*63	*570	*1 985	*1 920	*1 097	*824	(S)	-	50	52
175	Carpentering and flooring:											
1751	Carpentering .....	79	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1752	Floor laying and other floorwork .....	32	*132	*1 049	*4 467	*4 304	*2 845	*1 507	*163	*241	41	46
1761	Roofing and sheet metal work .....	48	177	1 939	7 789	7 362	3 708	(D)	*427	86	25	24
1771	Concrete work .....	30	217	2 708	7 586	7 321	3 690	3 718	265	*221	21	14
1781	Water well drilling .....	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	17	288	4 966	21 275	19 893	15 571	(D)	1 382	371	19	10
1793	Glass and glazing work .....	*13	*78	*845	*3 125	*3 103	*1 774	*1 330	*22	(S)	57	56
1794	Excavating and foundation work .....	50	291	4 371	15 907	14 442	9 885	4 733	1 465	851	19	14
1795	Wrecking and demolition work .....	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c. ....	16	83	971	2 603	2 598	1 845	*754	(S)	(D)	38	37
1799	Special trade contractors, n.e.c. ....	56	213	3 489	12 609	10 895	6 835	4 321	1 714	556	21	16
6552	Subdividers and developers, n.e.c. ....	*10	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-

Table 12. **Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	<b>NEW BRUNSWICK-PERTH AMBOY-SAYREVILLE SMSA</b>											
	Construction industries and subdividers and developers..	1 176	10 742	211 888	723 300	594 272	374 838	229 019	129 028	10 604	2	2
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses .....	120	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1522	Other residential buildings .....	16	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1531	Operative builders .....	46	185	3 273	20 243	11 246	5 107	6 242	8 997	214	17	22
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	23	330	7 045	55 700	18 189	12 899	5 476	37 511	236	14	11
1542	Nonresidential buildings, n.e.c. ....	42	607	10 355	59 725	30 924	19 495	12 073	28 801	*621	7	7
16	Heavy construction general contractors:											
1611	Highway and street construction .....	35	576	10 052	42 477	35 539	14 574	21 890	6 938	947	12	7
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1623	Water, sewer, and utility lines .....	15	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(S)	-	-
1629	Heavy construction, n.e.c. ....	18	424	7 144	21 519	18 643	12 275	(D)	2 876	*378	7	11
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning .....	150	2 202	52 264	146 277	134 225	97 701	40 528	12 052	1 628	4	3
1721	Painting, paper hanging, and decorating .....	73	400	6 702	18 466	18 013	13 604	4 483	453	208	11	8
1731	Electrical work .....	124	1 421	32 566	81 755	80 333	41 546	38 891	1 423	894	7	6
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework .....	55	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1742	Plastering, drywall, and insulation work .....	27	423	9 232	23 457	22 646	13 938	9 927	811	146	6	8
1743	Terrazzo, tile, marble, and mosaic work .....	*12	67	1 015	3 512	(D)	1 955	1 425	(D)	68	15	-
175	Carpentering and flooring:											
1751	Carpentering .....	102	386	3 750	11 681	10 449	7 090	3 367	1 232	(S)	18	17
1752	Floor laying and other floorwork .....	40	117	1 491	4 760	4 440	2 680	1 881	320	*28	26	23
1761	Roofing and sheet metal work .....	52	278	3 948	11 394	10 957	6 051	4 961	437	*115	20	20
1771	Concrete work .....	69	365	5 227	24 917	23 707	14 128	9 629	1 210	496	12	19
1781	Water well drilling .....	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	7	327	10 582	26 900	24 068	18 933	(D)	2 832	(D)	(W)	(W)
1793	Glass and glazing work .....	*12	85	1 697	*5 719	*5 688	*3 394	(D)	(S)	*363	37	43
1794	Excavating and foundation work .....	43	256	4 452	14 438	13 836	10 954	(D)	602	501	12	14
1795	Wrecking and demolition work .....	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c. ....	13	124	3 056	11 226	9 381	6 519	(D)	1 845	(D)	16	9
1799	Special trade contractors, n.e.c. ....	70	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
6552	Subdividers and developers, n.e.c. ....	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
	<b>NEW YORK, N.Y.-N.J., SMSA</b>											
	Construction industries and subdividers and developers..	12 304	142 376	2 680 252	10 622 410	8 104 697	5 263 624	2 969 925	2 517 713	111 818	1	1
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses .....	1 381	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1522	Other residential buildings .....	303	2 764	51 321	319 866	139 415	80 236	61 109	180 452	2 434	4	4
1531	Operative builders .....	281	2 152	39 385	260 840	158 753	103 757	60 609	102 087	2 657	7	5
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	161	1 764	35 924	176 375	106 054	74 336	32 712	70 322	1 104	6	5
1542	Nonresidential buildings, n.e.c. ....	619	10 653	258 737	2 204 452	806 149	521 636	293 847	1 398 303	9 172	2	1



**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added‡	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	<b>NEW YORK, N.Y.-N.J., SMSA—Con.</b>											
15,16,17	<b>Construction industries—Con.</b>											
16	<b>Heavy construction general contractors:</b>											
1611	Highway and street construction -----	168	2 871	62 019	267 596	225 020	142 819	90 077	42 576	6 999	3	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	12	1 272	30 121	117 389	104 201	66 556	(D)	13 188	2 634	(W)	(W)
1623	Water, sewer, and utility lines-----	118	2 332	56 876	235 363	212 912	151 019	63 850	22 451	9 097	3	2
1629	Heavy construction, n.e.c.-----	126	4 581	122 943	542 064	409 252	278 953	143 373	132 813	5 174	2	1
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air conditioning-----	2 022	17 605	347 802	1 267 404	1 084 360	643 064	455 007	183 044	13 670	2	2
1721	Painting, paper hanging, and decorating-----	993	6 368	109 995	291 330	272 069	215 754	56 864	19 261	3 467	4	3
1731	Electrical work-----	1 411	36 051	595 929	1 794 406	1 771 454	1 080 079	704 398	22 953	12 864	1	1
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework-----	488	3 716	64 144	187 739	170 584	111 302	60 185	17 155	1 906	5	4
1742	Plastering, drywall, and insulation work-----	308	6 873	145 566	387 335	355 824	247 197	112 167	31 511	4 048	2	2
1743	Terrazzo, tile, marble, and mosaic work-----	118	1 224	17 831	54 514	50 526	29 592	21 625	3 988	602	7	9
175	Carpentering and flooring:											
1751	Carpentering-----	1 047	5 772	83 816	288 387	250 266	159 568	92 682	38 121	3 007	4	4
1752	Floor laying and other floorwork-----	214	1 530	28 128	92 574	85 304	52 097	35 032	7 270	834	7	5
1761	Roofing and sheet metal work-----	606	5 329	94 608	327 603	294 918	185 730	111 231	32 685	3 594	4	3
1771	Concrete work-----	432	5 158	103 097	347 190	324 667	209 864	124 474	22 523	5 092	3	2
1781	Water well drilling-----	24	113	1 672	6 150	6 111	3 641	2 517	*39	(S)	28	28
179	Miscellaneous special trade contractors:											
1791	Structural steel erection-----	77	1 471	37 597	94 860	90 796	76 382	17 284	4 064	764	4	3
1793	Glass and glazing work-----	163	1 709	29 172	98 362	94 297	50 802	45 124	*4 065	1 209	8	7
1794	Excavating and foundation work-----	306	2 626	51 034	196 095	171 273	125 940	51 181	24 822	6 231	5	4
1795	Wrecking and demolition work-----	60	1 199	15 929	43 452	39 146	36 219	(D)	4 306	2 264	2	2
1796	Installing building equipment, n.e.c.-----	145	4 262	116 512	314 569	306 376	242 781	67 896	8 193	2 563	1	1
1799	Special trade contractors, n.e.c.-----	633	5 525	86 250	269 484	249 092	176 778	78 597	20 392	4 341	4	4
6552	Subdividers and developers, n.e.c.---	94	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
	<b>NEWARK SMSA</b>											
	<b>Construction industries and subdividers and developers</b>	4 077	35 689	714 380	2 695 385	2 061 170	1 286 276	818 925	634 215	34 814	1	1
15,16,17	<b>Construction industries:</b>											
15	<b>General building contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses-----	512	1 735	20 805	110 837	85 160	44 680	42 646	25 677	2 290	8	11
1522	Other residential buildings-----	69	548	8 870	68 007	26 577	19 377	7 527	41 430	271	8	11
1531	Operative builders-----	148	509	7 687	68 983	32 957	14 374	19 149	36 026	388	12	14
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses-----	61	1 456	33 106	191 476	90 656	59 290	34 320	100 821	778	4	6
1542	Nonresidential buildings, n.e.c.-----	178	2 871	56 621	425 128	151 278	96 913	57 839	273 850	3 863	3	4
16	<b>Heavy construction general contractors:</b>											
1611	Highway and street construction-----	100	1 074	18 283	81 098	68 653	37 093	32 593	12 445	1 771	9	8
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	3	(S)	*462	(S)	(S)	(S)	(S)	(S)	-	-	-
1623	Water, sewer, and utility lines-----	74	1 498	39 143	133 881	117 580	82 475	36 725	16 302	4 778	5	5
1629	Heavy construction, n.e.c.-----	54	3 922	92 840	238 154	212 846	140 175	79 554	25 309	4 966	1	(W)



**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendices. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	<b>NEWARK SMSA—Con.</b>											
15,16,17	<b>Construction industries—Con.</b>											
	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air conditioning .....	577	4 634	99 022	341 001	295 222	177 388	119 598	45 779	3 821	4	3
1721	Painting, paper hanging, and decorating .....	290	1 163	16 409	38 992	37 965	30 112	7 978	1 028	825	9	8
1731	Electrical work .....	413	5 795	139 004	421 550	410 743	230 325	183 525	10 807	3 131	2	2
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework .....	221	1 423	18 835	46 537	41 294	28 925	13 197	*5 243	623	7	8
1742	Plastering, drywall, and insulation work .....	85	1 191	26 065	69 573	67 606	49 268	24 073	1 967	408	5	4
1743	Terrazzo, tile, marble, and mosaic work .....	42	421	6 620	20 921	20 366	11 971	8 394	*555	115	17	11
175	Carpentering and flooring:											
1751	Carpentering .....	353	1 181	17 470	66 732	58 191	32 595	26 575	8 541	848	8	9
1752	Floor laying and other floorwork .....	51	252	4 117	11 840	11 430	8 005	3 454	*410	*366	18	17
1761	Roofing and sheet metal work .....	193	1 424	23 309	74 741	71 259	45 815	28 279	3 482	911	7	8
1771	Concrete work .....	168	1 093	19 954	71 136	60 387	37 607	24 409	10 749	1 370	9	7
1781	Water well drilling .....	*8	69	1 845	4 727	4 699	3 142	1 557	29	(D)	20	21
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	35	405	8 731	23 861	21 872	17 607	5 294	1 989	111	8	6
1793	Glass and glazing work .....	26	334	6 342	15 427	14 945	7 406	8 812	482	216	13	9
1794	Excavating and foundation work .....	139	785	13 924	60 432	54 097	36 005	18 551	6 335	1 742	10	6
1795	Wrecking and demolition work .....	9	125	2 961	7 664	7 578	6 661	(D)	86	(D)	(W)	(W)
1796	Installing building equipment, n.e.c. ....	58	512	11 381	36 234	34 724	25 537	(D)	1 510	167	6	5
1799	Special trade contractors, n.e.c. ....	192	1 171	19 362	59 789	57 244	40 041	22 001	2 545	880	8	6
6552	Subdividers and developers, n.e.c. ....	25	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
	<b>PATERSON-CLIFTON-PASSAIC SMSA</b>											
	<b>Construction industries and subdividers and developers ..</b>	965	7 361	138 757	497 453	392 304	244 557	161 121	105 149	7 228	3	2
15,16,17	<b>Construction industries:</b>											
15	<b>General building contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	108	358	4 262	24 909	18 175	9 440	9 090	6 734	191	20	17
1522	Other residential buildings .....	*15	70	1 602	(D)	3 798	3 732	499	(D)	95	29	19
1531	Operative builders .....	23	79	1 358	13 958	8 465	2 309	6 260	5 493	150	31	20
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	16	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(S)	-	-
1542	Nonresidential buildings, n.e.c. ....	31	528	7 917	50 399	16 615	15 545	(D)	33 784	(D)	8	10
16	<b>Heavy construction general contractors:</b>											
1611	Highway and street construction .....	19	(D)	(D)	(D)	(D)	(D)	(D)	(D)	543	-	-
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	-	-	-	-	-	-	-	-	-	-	-
1623	Water, sewer, and utility lines .....	*5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1629	Heavy construction, n.e.c. ....	*10	88	(D)	13 157	(D)	8 675	(D)	(D)	(D)	8	-
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air conditioning .....	150	1 514	38 809	104 757	(D)	55 403	(D)	(D)	1 072	5	-
1721	Painting, paper hanging, and decorating .....	63	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1731	Electrical work .....	101	763	16 179	49 777	46 397	27 634	(D)	3 380	446	8	7
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework .....	95	391	4 696	13 090	12 582	8 276	4 691	*508	*138	20	22
1742	Plastering, drywall, and insulation work .....	25	449	10 721	26 555	25 088	17 390	8 059	1 467	324	7	4
1743	Terrazzo, tile, marble, and mosaic work .....	*10	116	1 306	(D)	(D)	3 256	2 439	(D)	*14	23	-
175	Carpentering and flooring:											
1751	Carpentering .....	80	270	3 571	12 652	11 447	5 901	(D)	1 205	*104	20	20
1752	Floor laying and other floorwork .....	*10	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1761	Roofing and sheet metal work .....	63	917	13 479	40 681	38 357	17 363	(D)	2 324	287	5	5

**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	<b>PATERSON-CLIFTON-PASSAIC SMSA—Con.</b>											
15,16,17	<b>Construction industries—Con.</b>											
17	<b>Special trade contractors—Con.</b>											
1771	Concrete work .....	24	230	3 032	11 290	10 089	7 327	2 825	1 201	*240	39	31
1781	Water well drilling .....	*4	*12	*126	*566	*562	*310	*252	*4	-	53	53
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1793	Glass and glazing work .....	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1794	Excavating and foundation work .....	36	127	1 444	7 001	6 155	4 427	(D)	846	178	35	28
1795	Wrecking and demolition work .....	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c. ....	17	301	6 762	18 494	16 424	13 223	(D)	2 070	623	1	3
1799	Special trade contractors, n.e.c. ....	44	129	2 050	7 543	7 222	4 508	3 159	*321	*287	23	28
6552	Subdividers and developers, n.e.c. ....	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
	<b>PHILADELPHIA, PA.-N.J., SMSA</b>											
	<b>Construction industries and subdividers and developers</b>	8 050	83 251	1 694 659	6 213 634	4 725 197	3 169 020	1 790 711	1 488 437	82 350	1	1
15,16,17	<b>Construction industries:</b>											
15	<b>General building contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	1 128	5 150	59 777	331 302	235 741	133 733	111 427	95 561	3 972	6	4
1522	Other residential buildings .....	103	475	7 587	45 295	21 475	12 393	9 337	23 820	285	9	9
1531	Operative builders .....	189	1 307	19 373	168 109	95 619	66 518	31 018	72 490	1 905	8	7
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	162	2 063	43 273	219 767	113 238	66 584	48 213	106 529	2 178	7	5
1542	Nonresidential buildings, n.e.c. ....	323	5 525	124 450	1 015 348	347 315	248 783	105 529	668 033	5 556	3	2
16	<b>Heavy construction general contractors:</b>											
1611	Highway and street construction .....	138	3 311	68 469	340 349	271 617	170 920	139 067	68 733	15 463	2	1
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	5	172	4 276	(D)	(D)	(D)	2 469	(D)	104	(W)	-
1623	Water, sewer, and utility lines .....	108	4 438	111 230	305 207	271 747	210 520	63 306	33 460	8 683	1	1
1629	Heavy construction, n.e.c. ....	82	9 241	270 838	807 360	617 739	477 104	(D)	189 621	6 631	1	1
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air conditioning .....	1 275	11 000	231 720	754 756	655 425	375 197	286 509	99 331	8 869	3	2
1721	Painting, paper hanging, and decorating .....	442	3 913	66 962	146 384	138 845	108 436	30 851	7 539	3 133	4	3
1731	Electrical work .....	721	7 098	156 770	491 044	476 869	252 905	227 218	14 175	5 030	3	2
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework .....	394	3 149	53 854	140 892	137 760	94 132	43 728	3 132	1 874	4	3
1742	Plastering, drywall, and insulation work .....	248	3 003	60 404	164 710	156 846	106 458	64 141	7 864	1 410	5	4
1743	Terrazzo, tile, marble, and mosaic work .....	68	346	5 541	17 968	17 696	10 842	6 965	272	*75	16	11
175	Carpentering and flooring:											
1751	Carpentering .....	643	3 149	38 070	125 097	110 496	69 523	42 267	14 601	925	4	5
1752	Floor laying and other floorwork .....	154	821	12 868	47 147	44 957	22 997	23 165	2 190	574	9	10
1761	Roofing and sheet metal work .....	579	4 618	79 808	237 018	226 288	144 881	85 812	10 730	3 313	4	3
1771	Concrete work .....	414	3 129	47 423	164 105	154 916	103 588	54 966	9 189	1 743	6	5
1781	Water well drilling .....	23	(D)	3 416	(D)	(D)	(D)	5 002	(D)	(D)	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	79	1 581	34 745	79 306	76 487	65 602	12 252	2 819	847	5	4
1793	Glass and glazing work .....	58	713	12 189	36 483	35 603	21 023	16 895	880	492	6	9
1794	Excavating and foundation work .....	282	2 741	42 907	161 566	129 725	92 615	40 229	31 841	5 055	5	5
1795	Wrecking and demolition work .....	17	316	6 888	21 805	19 922	21 380	2 410	1 883	386	(W)	(W)
1796	Installing building equipment, n.e.c. ....	88	3 697	97 035	253 795	247 471	209 245	(D)	6 324	1 262	2	1
1799	Special trade contractors, n.e.c. ....	292	1 987	32 446	104 092	96 712	66 421	35 027	7 381	2 100	7	6
6552	Subdividers and developers, n.e.c. ....	38	(D)	(S)	(S)	(S)	(S)	(S)	(S)	(D)	-	-



**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	<b>TRENTON SMSA</b>											
	Construction industries and subdividers and developers	427	3 238	54 973	233 376	159 627	109 098	54 173	73 749	3 038	4	4
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	67	276	3 366	20 210	13 917	8 983	5 073	6 293	*106	26	23
1522	Other residential buildings	3	(S)	(D)	(S)	(D)	(S)	(S)	(D)	(D)	-	-
1531	Operative builders	*7	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	*7	74	1 260	*3 741	*2 547	*1 663	*939	*1 194	(D)	27	56
1542	Nonresidential buildings, n.e.c.	26	538	9 416	79 936	24 180	16 684	7 553	55 756	172	8	7
16	Heavy construction general contractors:											
1611	Highway and street construction	14	138	2 335	8 022	7 163	6 080	(D)	859	116	4	3
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	*3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1623	Water, sewer, and utility lines	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1629	Heavy construction, n.e.c.	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	64	419	8 200	26 112	23 030	13 855	9 363	3 082	362	13	11
1721	Painting, paper hanging, and decorating	35	100	*1 035	4 426	*4 246	*3 244	*1 085	*180	*201	32	41
1731	Electrical work	40	413	5 571	15 060	14 812	9 695	5 721	248	*262	11	12
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	*16	*70	*703	*3 365	*2 954	*2 055	(D)	(S)	-	45	48
1742	Plastering, drywall, and insulation work	4	64	1 406	4 725	(D)	2 287	(D)	(D)	(D)	(W)	-
1743	Terrazzo, tile, marble, and mosaic work	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
175	Carpentering and flooring:											
1751	Carpentering	32	148	2 080	7 657	7 112	5 023	(D)	545	(S)	21	24
1752	Floor laying and other floorwork	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1761	Roofing and sheet metal work	24	244	5 087	17 251	16 767	10 071	(D)	484	439	9	13
1771	Concrete work	*15	*63	854	2 683	2 109	933	(D)	*574	(D)	42	34
1781	Water well drilling	*2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1793	Glass and glazing work	*5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1794	Excavating and foundation work	18	87	1 631	5 830	5 633	*4 768	879	197	*473	33	40
1795	Wrecking and demolition work	*5	35	(D)	(D)	(D)	(D)	(D)	(D)	(D)	29	-
1796	Installing building equipment, n.e.c.	9	227	5 103	12 033	(D)	9 766	1 854	(D)	37	(W)	-
1799	Special trade contractors, n.e.c.	14	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
6552	Subdividers and developers, n.e.c.	3	(D)	*96	*295	*214	175	80	81	(D)	-	42
	<b>WILMINGTON, DEL.-N.J.-MD., SMSA</b>											
	Construction industries and subdividers and developers	1 061	12 906	261 464	1 340 005	938 595	530 056	434 907	401 411	14 657	2	1
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	174	713	7 952	48 671	37 135	25 104	12 433	11 536	412	12	19
1522	Other residential buildings	12	148	(D)	10 786	(D)	3 251	2 635	(D)	(D)	3	-
1531	Operative builders	22	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	19	500	9 263	56 724	27 430	14 439	13 538	29 294	451	6	5
1542	Nonresidential buildings, n.e.c.	39	464	9 660	75 362	26 282	15 504	11 025	49 080	456	7	9



Table 12. **Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	<b>WILMINGTON, DEL.-N.J.-MD., SMSA—Con.</b>											
15,16, 17	<b>Construction industries—Con.</b>											
16	<b>Heavy construction general contractors:</b>											
1611	Highway and street construction -----	36	1 127	21 417	94 773	77 982	62 759	(D)	16 791	3 171	5	3
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1623	Water, sewer, and utility lines -----	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1629	Heavy construction, n.e.c. -----	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air conditioning-----	159	2 944	71 159	131 783	121 473	100 050	22 520	10 311	877	3	4
1721	Painting, paper hanging, and decorating -----	66	314	4 900	12 249	11 823	9 010	2 884	426	86	10	8
1731	Electrical work -----	81	830	19 297	42 819	41 890	25 660	16 254	930	390	8	6
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	56	410	5 237	15 037	14 245	9 191	(D)	792	340	17	14
1742	Plastering, drywall, and insulation work -----	36	463	8 212	22 239	(D)	13 253	(D)	(D)	(D)	10	-
1743	Terrazzo, tile, marble, and mosaic work -----	*10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
175	Carpentering and flooring:											
1751	Carpentering -----	115	378	4 531	15 478	12 923	7 683	(D)	2 555	*239	19	19
1752	Floor laying and other floorwork-----	5	54	950	2 681	(D)	1 685	1 152	(D)	*147	37	-
1761	Roofing and sheet metal work -----	57	808	13 738	41 509	40 349	24 628	(D)	1 160	1 250	9	7
1771	Concrete work -----	42	626	11 130	40 435	32 852	22 239	(D)	7 583	(D)	10	9
1781	Water well drilling -----	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1793	Glass and glazing work -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1794	Excavating and foundation work-----	43	372	6 074	22 259	20 016	15 761	4 363	2 243	1 324	15	7
1795	Wrecking and demolition work -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c. -	12	125	2 485	6 909	(D)	4 062	1 912	(D)	-	14	-
1799	Special trade contractors, n.e.c. -----	34	223	4 199	11 301	11 006	6 753	(D)	295	190	13	13
6552	Subdividers and developers, n.e.c. ---	-	-	-	-	-	-	-	-	-	-	-

# New York

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# SUMMARY OF FINDINGS

During 1982, 67,888 establishments in New York operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$19.8 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 41,367 establishments in this State with no payroll accounted for about 9 percent of all business receipts for all construction establishments in New York. On the other hand, 26,521 establishments classified as "employers" accounted for 91 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$18.0 billion, of which \$17.7 billion were receipts for construction work. These establishments paid \$4.0 billion for construction work subcontracted to others, leaving net construction receipts of about \$13.6 billion. Value added for these establishments amounted to \$8.6 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in New York paid \$5.0 billion for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$284 million were also made for selected power, fuels, and

lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in New York was 246 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 65.2 million hours, while hours worked during the third quarter were 82.6 million hours.

Total payroll for 1982 was \$4.5 billion. Payments of \$870 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for New York are based on a sample of about 10,900 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

**Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	<b>1982</b>													
	Construction industries and subdividers and developers .....	67 888	46 832	245 558	19 788 712	41 367	40 686	1 752 171	26 521	6 146	245 558	18 036 541	1	(W)
15,16,17	Construction industries <sup>1</sup> .....	67 229	46 525	244 314	19 570 418	40 907	40 414	1 614 827	26 322	6 111	244 323	17 955 602	1	(W)
15	General building contractors and operative builders .....	13 449	7 859	47 879	6 407 167	7 034	6 576	662 501	6 415	1 283	47 881	5 744 668	1	1
16	Heavy construction, general contractors ..	2 940	1 785	25 178	2 501 754	1 593	1 575	72 760	1 347	210	25 178	2 428 996	1	1
17	Special trade contractors .....	50 840	36 881	171 257	10 661 497	32 280	32 263	879 566	18 560	4 618	171 264	9 781 939	1	1
1711	Plumbing, heating, and air conditioning....	7 219	3 834	32 610	2 403 982	3 281	3 216	114 219	3 938	618	32 610	2 289 763	1	1
1731	Electrical work .....	5 262	3 130	45 891	2 512 128	2 662	2 626	91 011	2 600	504	45 891	2 421 117	1	(W)
6552	Subdividers and developers, n.e.c. <sup>2</sup> .....	650	304	(S)	(S)	460	272	137 344	190	(S)	(S)	(S)	-	-
	<b>1977</b>													
	Construction industries and subdividers and developers .....	62 793	45 042	206 021	11 646 926	35 673	35 656	882 417	27 120	9 386	206 021	10 764 509	1	(W)
15,16,17	Construction industries <sup>1</sup> .....	62 423	44 794	204 881	11 528 083	35 434	35 455	850 837	26 989	9 339	204 881	10 677 246	1	(W)
15	General building contractors and operative builders .....	13 950	8 169	48 989	4 139 129	5 906	5 532	354 211	8 044	2 637	48 989	3 784 918	2	1
16	Heavy construction, general contractors ..	2 291	1 205	31 508	2 013 230	871	855	47 247	1 420	350	31 508	1 965 983	2	1
17	Special trade contractors .....	46 182	35 420	124 384	5 375 724	28 657	29 068	449 379	17 525	6 352	124 384	4 926 345	1	1
1711	Plumbing, heating, and air conditioning....	6 708	4 019	25 491	1 303 476	3 136	3 145	76 500	3 572	874	25 491	1 226 976	2	1
1731	Electrical work .....	4 856	3 075	24 219	1 077 800	2 468	2 463	35 782	2 388	612	24 219	1 042 018	1	1
6552	Subdividers and developers, n.e.c. <sup>2</sup> .....	378	248	(S)	118 848	239	201	31 580	139	47	(S)	(S)	-	-

<sup>1</sup>For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

<sup>2</sup>For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

**Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll <sup>1</sup>			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
<b>1982</b>													
The State .....	67 888	46 832	245 558	19 788 712	41 367	40 686	1 752 171	26 521	6 146	245 558	18 036 541	1	(W)
\$10,000,000 or more .....	250	30	58 393	6 534 523	13	10	327 346	237	20	58 393	6 207 177	(W)	(W)
\$5,000,000 to \$9,999,999 .....	333	29	26 336	2 297 807	12	16	81 410	321	13	26 336	2 216 397	(W)	(W)
\$2,500,000 to \$4,999,999 .....	669	36	25 373	2 320 719	23	17	80 726	646	19	25 373	2 239 993	(W)	(W)
\$1,000,000 to \$2,499,999 .....	1 906	80	37 862	2 939 555	58	38	83 347	1 848	42	37 862	2 856 208	1	2
\$500,000 to \$999,999 .....	2 450	190	26 445	1 707 405	131	70	88 924	2 319	120	26 445	1 618 481	2	3
\$250,000 to \$499,999 .....	4 134	636	26 176	1 453 762	366	242	125 810	3 768	394	26 176	1 327 952	3	2
\$100,000 to \$249,999 .....	8 284	3 097	26 091	1 305 436	1 572	1 456	228 935	6 712	1 641	26 091	1 076 501	3	2
\$50,000 to \$99,999 .....	8 472	5 395	10 614	594 761	3 651	3 705	247 404	4 821	1 690	10 614	347 357	3	3
\$25,000 to \$49,999 .....	9 785	7 855	4 971	345 391	6 703	6 672	232 241	3 082	1 183	4 971	113 150	4	3
Less than \$25,000 .....	31 602	29 482	3 295	289 351	28 838	28 460	256 028	2 764	1 022	3 295	33 323	4	4
\$10,000 to \$24,999 .....	(NA)	(NA)	(NA)	(NA)	11 603	11 500	184 147	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999 .....	(NA)	(NA)	(NA)	(NA)	7 338	7 260	50 205	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999 .....	(NA)	(NA)	(NA)	(NA)	6 100	6 007	17 879	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000 .....	(NA)	(NA)	(NA)	(NA)	3 797	3 693	3 797	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
<b>1977</b>													
The State .....	62 793	45 042	206 021	11 646 926	35 673	35 656	882 417	27 120	9 386	206 021	10 764 509	1	(W)
\$10,000,000 or more .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 <sup>2</sup> .....	293	51	47 717	3 783 686	9	12	141 273	284	39	47 717	3 642 413	(NA)	(NA)
\$2,500,000 to \$4,999,999 .....	395	39	20 598	1 390 070	14	12	54 757	381	27	20 598	1 335 313	1	1
\$1,000,000 to \$2,499,999 .....	1 224	115	30 707	1 830 587	26	11	38 031	1 198	104	30 707	1 792 556	1	1
\$500,000 to \$999,999 .....	1 950	187	26 397	1 363 546	64	29	42 498	1 886	158	26 397	1 321 048	2	2
\$250,000 to \$499,999 .....	3 183	426	24 907	1 103 969	134	58	45 894	3 049	368	24 907	1 058 075	2	2
\$100,000 to \$249,999 .....	6 954	2 292	28 788	1 083 680	572	436	84 405	6 382	1 856	28 788	999 275	2	2
\$50,000 to \$99,999 .....	7 125	3 953	14 572	504 665	1 437	1 441	96 638	5 688	2 512	14 572	408 027	3	3
\$25,000 to \$49,999 .....	8 466	6 557	7 492	296 335	4 118	4 275	139 461	4 348	2 282	7 492	156 874	4	4
Less than \$25,000 .....	33 204	31 421	(S)	290 388	29 299	29 382	239 460	(S)	(S)	(S)	(S)	-	-
\$10,000 to \$24,999 .....	13 178	12 035	3 351	206 636	10 587	10 705	162 743	2 591	1 330	3 351	43 893	7	6
\$5,000 to \$9,999 .....	(NA)	(NA)	(NA)	(NA)	7 855	7 864	53 778	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 .....	(NA)	(NA)	(NA)	(NA)	6 831	6 819	19 989	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 .....	(NA)	(NA)	(NA)	(NA)	4 026	3 994	2 950	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

<sup>1</sup>For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

<sup>2</sup>Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.



**Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers .....	26 521	245 558	198 098	4 493 607	3 497 569	302 417	17 682 919	13 647 342
15,16, 17	Construction industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses .....	3 714	15 659	12 866	183 290	146 429	20 075	908 313	679 309
1522	Other residential buildings .....	500	4 420	3 627	77 688	54 212	5 464	557 187	216 317
1531	Operative builders .....	537	3 582	1 645	58 104	21 199	2 829	1412 211	227 143
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses .....	407	5 744	4 402	118 330	83 209	7 486	694 180	371 143
1542	Nonresidential buildings, n.e.c. ....	1 257	18 474	13 688	414 195	285 152	22 243	3 064 162	1 265 365
16	Heavy construction general contractors:								
1611	Highway and street construction .....	526	8 717	7 294	179 119	139 005	12 124	865 464	709 213
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction .....	48	2 580	2 316	63 934	56 291	3 780	241 154	208 349
1623	Water, sewer, and utility lines .....	426	6 723	5 554	146 802	115 161	9 565	563 262	499 245
1629	Heavy construction, n.e.c. ....	347	7 158	5 695	179 181	137 306	10 001	706 181	547 158
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning .....	3 938	32 610	24 966	641 304	483 319	41 517	2 260 551	1 949 250
1721	Painting, paper hanging, and decorating .....	1 725	10 022	8 923	153 638	130 532	13 806	397 064	371 892
1731	Electrical work .....	2 600	45 891	37 351	808 367	665 239	47 272	2 386 264	2 348 879
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework .....	1 077	7 065	6 326	118 700	102 193	9 128	354 516	318 930
1742	Plastering, drywall, and insulation work .....	700	11 353	9 565	234 563	195 547	14 335	637 934	593 222
1743	Terrazzo, tile, marble, and mosaic work .....	220	1 914	1 634	29 107	24 077	2 313	93 473	88 558
175	Carpentering and flooring:								
1751	Carpentering .....	2 083	10 232	8 720	140 474	115 479	12 837	486 477	423 963
1752	Floor laying and other floorwork .....	414	2 420	1 886	41 879	31 101	3 009	151 735	139 880
1761	Roofing and sheet metal work .....	1 441	11 436	9 389	190 237	148 871	13 908	638 621	585 700
1771	Concrete work .....	1 165	9 767	8 654	174 324	148 597	12 434	582 705	548 252
1781	Water well drilling .....	122	585	444	9 321	7 252	758	35 360	35 351
179	Miscellaneous special trade contractors:								
1791	Structural steel erection .....	192	2 496	2 108	59 347	49 809	3 725	173 935	153 592
1793	Glass and glazing work .....	277	2 332	1 797	37 524	28 163	2 627	135 458	129 596
1794	Excavating and foundation work .....	960	6 052	5 106	101 887	82 890	8 298	363 877	327 421
1795	Wrecking and demolition work .....	105	1 444	1 286	20 445	17 155	1 466	57 085	51 687
1796	Installing building equipment, n.e.c. ....	276	6 274	5 078	157 604	123 954	8 509	427 996	412 082
1799	Special trade contractors, n.e.c. ....	1 265	9 364	7 271	138 854	100 804	11 581	440 059	411 952
6552	Subdividers and developers, n.e.c. ....	190	(S)	(S)	(S)	(S)	(S)	(S)	(S)

†Land receipts for SIC 1531 were \$52,862.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
8 635 210	5 284 872	4 035 577	219 840	236 881	2 649 520	206 021	10 519 618	5 124 726	1	(W)	1	15,16, 17
382 293	318 359	229 004	7 594	15 360	134 640	18 030	807 074	297 486	3	3	5	152
127 680	97 002	340 870	3 188	3 563	25 754	3 311	214 569	77 293	4	3	11	1521
125 547	110 064	185 068	1 568	4 070	130 605	4 320	493 254	125 077	5	4	4	1531
234 401	142 612	323 037	6 812	8 431	75 959	7 048	443 270	167 601	3	2	4	154
790 666	486 398	1 798 797	24 050	14 983	262 946	16 280	1 732 481	465 315	1	1	1	1542
412 656	325 035	156 251	36 238	26 268	282 294	9 727	568 818	307 229	2	1	3	16
128 911	81 338	32 805	5 439	3 557	53 093	1 153	62 707	24 661	(W)	(W)	(W)	1611
334 879	169 865	64 017	20 371	18 254	194 983	9 550	558 397	323 570	3	1	3	162
363 894	200 318	159 023	17 885	14 329	100 153	11 078	736 355	347 192	2	1	3	1622
1 182 317	796 145	311 301	18 732	27 089	306 481	25 491	1 204 830	648 666	1	1	2	1623
291 155	82 125	25 172	2 799	3 136	37 388	9 397	231 048	176 205	3	2	5	1629
1 437 244	946 488	37 385	12 206	22 188	298 047	24 219	1 037 085	676 893	1	(W)	3	17
211 101	112 046	35 586	3 909	4 993	48 562	6 695	185 522	125 671	3	2	6	171
404 755	197 496	44 711	5 224	6 716	50 996	8 323	310 957	190 666	1	1	4	1711
48 874	41 311	4 915	722	1 531	8 317	1 210	43 320	26 331	5	6	16	1721
265 773	161 100	62 514	3 132	6 295	48 413	6 434	207 335	117 524	3	3	6	1731
77 699	66 286	11 855	782	1 473	9 796	2 530	99 853	50 113	5	5	9	174
346 784	248 150	52 920	6 820	9 913	73 798	9 726	330 488	192 429	2	2	5	1741
337 499	222 167	34 453	10 381	10 194	112 174	6 762	260 245	138 213	2	2	5	1742
20 489	15 192	409	344	1 337	15 457	651	26 419	15 630	12	10	28	1743
122 164	35 684	20 343	3 743	2 302	26 294	1 760	65 541	38 390	4	4	5	175
69 749	66 880	5 862	1 671	1 886	15 895	1 894	70 129	38 641	7	6	11	1751
238 297	101 347	36 456	13 552	13 488	177 016	6 086	252 770	173 466	4	3	6	1752
47 595	7 369	5 397	1 845	2 174	18 062	1 058	34 406	29 438	2	3	(W)	179
322 648	95 033	15 914	4 697	4 479	46 995	4 932	217 331	160 564	1	1	2	1795
282 493	147 163	28 107	5 664	7 497	64 607	7 216	267 314	162 618	2	2	4	1796
(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-	-	1799
												6552

**Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year .....	26 521	27 120	30 364	30 105	1	1	2	2
Number of establishments in business at end of year .....	25 972	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Proprietors and working partners .....	6 146	9 386	11 717	15 945	3	3	3	3
All employees** .....	245 558	206 021	290 575	282 643	1	1	1	1
Construction workers:								
March .....	172 510	137 514	209 678	197 087	1	1	1	1
May .....	201 775	174 168	243 408	233 293	1	1	1	1
August .....	209 738	185 281	251 520	271 044	(W)	1	1	1
November .....	198 858	172 848	247 465	236 261	1	1	1	1
Average .....	198 098	167 610	241 051	237 306	1	1	1	1
Other employees:								
March .....	47 101	36 811	47 788	44 195	1	1	1	1
Construction worker hours (thousands):								
January to March .....	65 229	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
April to June .....	77 212	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
July to September .....	82 606	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
October to December .....	77 368	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Total hours worked .....	302 417	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Payroll, all employees .....	4 493 607	2 858 468	3 436 173	2 280 532	(W)	(W)	1	1
Payroll, construction workers .....	3 497 569	2 228 805	2 784 436	1 841 073	(W)	(W)	1	1
Payroll, other employees .....	996 038	629 663	651 737	439 887	1	1	1	1
First quarter payroll, all employees .....	962 335	579 854	(NA)	(NA)	(W)	1	(NA)	(NA)
Employer costs for fringe benefits .....	870 059	643 020	(NA)	(NA)	1	(W)	(NA)	(NA)
Legally required expenditures .....	661 127	309 194	(NA)	(NA)	(W)	(W)	(NA)	(NA)
Voluntary expenditures .....	208 931	333 826	(NA)	(NA)	(W)	(W)	(NA)	(NA)
All business receipts .....	18 036 541	10 764 509	11 799 376	8 452 948	(W)	(W)	1	1
Total construction receipts .....	17 682 919	10 519 618	11 549 269	8 253 825	(W)	(W)	1	1
Receipts for work subcontracted in from others .....	4 133 824	2 297 267	2 614 649	1 655 201	1	1	1	2
Land receipts <sup>1</sup> .....	80 881	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Other business receipts .....	272 740	244 891	250 107	197 681	2	2	3	4
Net construction receipts† .....	13 647 342	8 150 917	8 523 211	6 038 566	(W)	(W)	1	1
Value added†† .....	8 635 210	5 124 726	5 684 938	3 796 677	(W)	(W)	1	1
Selected payments .....	9 320 449	5 555 440	6 030 110	4 614 308	(W)	1	1	1
Materials, components, and supplies <sup>2</sup> .....	5 000 493	3 012 597	3 004 052	2 397 201	1	1	1	1
Construction work subcontracted to others .....	4 035 577	2 368 702	3 026 058	2 215 459	1	1	2	1
Selected power, fuels, and lubricants .....	284 379	174 141	(NA)	(NA)	1	1	(NA)	(NA)
Electricity .....	49 145	28 654	(NA)	(NA)	1	2	(NA)	(NA)
Natural gas .....	13 968	9 609	(NA)	(NA)	2	2	(NA)	(NA)
Gasoline and diesel fuel (including gasohol) .....	202 773	111 457	(NA)	(NA)	1	1	(NA)	(NA)
Other, including lubricating oils and greases .....	18 493	24 424	(NA)	(NA)	2	2	(NA)	(NA)
Storage capacity for fuels (thousand gallons) <sup>3</sup> .....	3 558	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures .....	219 840	147 877	(NA)	(NA)	1	1	(NA)	(NA)
For machinery and equipment .....	162 787	117 106	124 984	91 052	1	2	2	2
For structures .....	57 053	30 771	(NA)	(NA)	1	1	(NA)	(NA)
Selected purchased services .....	224 353	171 126	(NA)	(NA)	1	3	(NA)	(NA)
Communication services .....	81 260	66 403	(NA)	(NA)	1	5	(NA)	(NA)
Repairs to structures and related facilities .....	13 911	11 523	(NA)	(NA)	2	10	(NA)	(NA)
Repairs to machinery and equipment .....	129 182	93 200	(NA)	(NA)	1	3	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts .....	17 682 919	10 519 618	11 549 269	8 253 825	(W)	(W)	1	1
Government owned .....	3 830 181	2 927 820	3 814 431	2 372 028	1	(W)	1	2
Privately owned .....	13 852 738	7 591 798	7 734 838	5 881 797	1	1	1	1

<sup>1</sup>Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

<sup>2</sup>For 1967 and 1972, includes data for power, fuels, and lubricants.

<sup>3</sup>Data were collected only for establishments classified as heavy construction contractors.



**Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item					Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	2 509 674	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	236 881	209 375	174 472	115 044	1	3	5	2
New -----	180 970	170 019	136 846	94 094	2	3	3	2
Used -----	55 910	39 356	37 626	20 950	3	3	16	5
Retirements and disposition of depreciable assets -----	97 035	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	2 649 520	1 560 561	1 275 943	(NA)	1	1	2	(NA)
Depreciation charges during year -----	331 393	142 935	130 271	(NA)	1	1	3	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	460 285	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	36 285	46 604	41 021	29 721	4	10	22	10
New structures and related facilities -----	30 585	38 189	28 628	23 124	3	13	10	6
Used structures and related facilities -----	5 700	8 415	12 393	6 597	10	7	35	14
Retirements and disposition of depreciable assets -----	16 636	(NA)	(NA)	(NA)	19	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	479 935	381 227	323 520	(NA)	2	3	6	(NA)
Depreciation charges during year -----	52 794	18 402	18 735	(NA)	2	8	5	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	2 049 388	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	200 595	162 772	133 451	85 323	2	2	6	3
New machinery and equipment, including automobiles and trucks -----	150 384	131 831	108 218	70 970	2	2	3	2
New automobiles and trucks, intended primarily for highway use -----	70 399	65 461	(NA)	(NA)	2	2	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	50 210	30 941	25 233	14 353	3	3	10	4
Retirements and disposition of depreciable assets -----	80 398	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	2 169 584	1 179 334	952 423	(NA)	1	1	2	(NA)
Depreciation charges during year -----	278 599	124 534	111 536	(NA)	1	1	3	(NA)

**Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
<b>All establishments:</b>		
Number .....	26 521	1
Total construction receipts .....	17 682 919	(W)
<b>Establishments with inventories:</b>		
Number .....	7 848	3
Total construction receipts .....	7 520 472	1
<b>Inventories<sup>1</sup>:</b>		
End of 1982, total .....	356 529	2
Value for establishments with LIFO reserve .....	10 878	4
Amount of LIFO reserve .....	3 900	7
Value for establishments with no LIFO reserve .....	345 651	2
End of 1981, total .....	398 741	2
Value for establishments with LIFO reserve .....	10 799	4
Amount of LIFO reserve .....	3 409	9
Value for establishments with no LIFO reserve .....	387 942	2
<b>Establishments with no inventories:</b>		
Number .....	18 673	1
Total construction receipts .....	10 162 447	1

<sup>1</sup>Inventories at cost or market prior to any adjustment to correct to LIFO values.

**Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—									1,000 employees or more
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees		
<b>1982</b>											
Number of establishments-----	26 521	16 445	5 107	2 778	1 544	397	186	48	11	4	
All employees**-----	245 558	33 592	33 406	37 064	45 795	27 262	27 998	16 076	6 700	17 664	
Payroll, all employees-----	4 493 607	373 647	488 372	648 411	949 157	652 152	680 008	424 172	123 714	153 973	
Construction worker hours (thousands)-----	302 417	41 534	39 973	44 890	59 757	38 356	40 226	21 870	8 492	7 314	
All business receipts-----	18 036 541	1 797 400	1 947 464	2 603 344	3 675 879	6 999 094	(D)	(D)	1 013 360	(D)	
Total construction receipts-----	17 682 919	1 752 434	1 900 782	2 548 035	3 608 292	2 453 237	2 454 333	1 952 445	1 013 360	(D)	
Net construction receipts†-----	13 647 342	1 467 606	1 569 932	2 013 346	2 756 881	1 843 625	1 927 697	1 153 102	915 153	(D)	
Value added††-----	8 635 210	852 161	952 212	1 237 909	1 766 130	1 236 968	1 255 435	797 556	536 836	(D)	
Payments for materials, components, supplies, and fuels-----	5 284 872	643 302	649 377	814 940	1 044 472	666 208	701 610	386 645	378 317	(D)	
Payments for construction work subcontracted to others-----	4 035 577	284 828	330 850	534 689	851 411	609 612	526 636	799 343	98 207	(D)	
Rental payments for machinery, equipment, and structures-----	219 840	16 636	20 125	30 071	50 260	34 915	38 644	19 929	9 258	(D)	
Capital expenditures, other than land-----	236 881	31 593	36 072	40 788	52 358	30 679	24 119	15 949	5 320	(D)	
End-of-year gross book value of depreciable assets-----	2 649 520	392 854	357 952	411 976	523 074	312 784	314 279	204 382	132 218	(D)	
<b>1977</b>											
All employees**-----	206 021	35 810	30 737	33 556	38 171	23 499	15 855	16 347	7 336	4 711	
Total construction receipts-----	10 519 618	1 517 214	1 314 100	1 534 127	2 124 133	1 418 656	972 502	1 169 994	468 893	(D)	
Value added††-----	5 124 726	660 910	641 842	767 256	1 048 660	678 319	490 981	574 294	262 464	(D)	
<b>1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>											
All employees**-----	1	2	2	2	1	(W)	(W)	(W)	(W)	(W)	
Net construction receipts†-----	(W)	2	2	2	1	(W)	(W)	(W)	(W)	-	
Capital expenditures, other than land-----	1	6	6	5	1	(W)	(W)	(W)	(W)	-	

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

**Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
<b>1982</b>											
Number of establishments .....	26 521	2 764	3 082	4 821	6 712	3 768	2 319	1 848	646	321	237
All employees** .....	245 558	3 295	4 971	10 614	26 091	26 176	26 445	37 862	25 373	26 336	58 393
Payroll, all employees .....	4 493 607	10 526	32 530	97 109	304 124	374 035	453 526	776 836	577 008	598 200	1 269 711
Construction worker hours (thousands) .....	302 417	3 006	5 178	12 388	31 679	31 167	33 075	48 896	34 465	34 076	68 484
All business receipts .....	18 036 541	33 323	113 150	347 357	1 076 501	1 327 952	1 618 481	2 856 208	2 239 993	2 216 397	6 207 177
Total construction receipts .....	17 682 919	32 914	111 633	343 195	1 055 462	1 298 201	1 579 337	2 794 424	2 187 825	2 175 578	6 104 350
Net construction receipts† .....	13 647 342	30 192	104 249	320 268	953 519	1 146 183	1 343 585	2 275 834	1 722 606	1 703 090	4 047 815
Value added†† .....	8 635 210	18 646	61 827	192 326	570 354	704 529	829 351	1 443 222	1 078 433	1 141 063	2 595 456
Payments for materials, components, supplies, and fuels .....	5 284 872	11 843	43 551	131 296	398 749	463 153	541 899	876 986	682 333	595 662	1 539 396
Payments for construction work subcontracted to others .....	4 035 577	2 721	7 383	22 927	101 943	152 018	235 751	518 590	465 219	472 488	2 056 535
Rental payments for machinery, equipment, and structures .....	219 840	460	981	2 723	12 291	15 729	17 563	34 775	30 603	32 235	72 478
Capital expenditures, other than land .....	236 881	272	1 536	5 853	21 962	29 158	28 996	39 486	29 694	26 748	53 172
End-of-year gross book value of depreciable assets .....	2 649 520	12 104	33 924	85 076	242 033	266 602	285 233	460 688	315 544	255 880	692 433
<b>1977</b>											
All employees** .....	206 021	(S)	7 492	14 572	28 788	24 907	26 397	30 707	20 598	147 717	-
Total construction receipts .....	10 519 618	(S)	155 366	402 967	977 635	1 031 019	1 269 603	1 737 324	1 301 671	13 593 373	-
Value added†† .....	5 124 726	(S)	84 758	213 324	516 621	523 177	642 447	874 090	643 441	11 600 033	-
<b>1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>											
All employees** .....	1	4	4	3	3	3	2	1	(W)	(W)	(W)
Net construction receipts† .....	(W)	3	3	3	2	3	2	1	(W)	(W)	(W)
Capital expenditures, other than land .....	1	26	15	9	6	8	7	4	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

†Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.



**Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction <sup>1</sup>	Maintenance and repair			
	A	B	C	A	B	C
<b>1982</b>						
<b>Total construction receipts†</b>	<b>17 682 919</b>	<b>13 318 602</b>	<b>4 364 317</b>	<b>(W)</b>	<b>(W)</b>	<b>1</b>
<b>Building construction</b>	<b>13 125 130</b>	<b>9 996 702</b>	<b>3 128 428</b>	<b>(W)</b>	<b>(W)</b>	<b>1</b>
Single-family houses	2 200 902	1 627 934	572 967	1	2	2
Single-family houses, detached	1 843 855	1 343 787	500 067	2	2	3
Single-family houses, attached	357 046	284 146	72 900	4	4	4
Apartment buildings with two or more apartments	1 360 280	990 669	369 610	1	1	3
Other residential buildings	289 441	202 116	87 324	1	1	3
Office and bank buildings	4 224 353	3 478 437	745 915	(W)	(W)	1
Office buildings	3 821 040	3 157 678	663 362	(W)	(W)	1
Bank buildings and other financial institutions	403 312	320 758	82 553	2	1	4
Industrial buildings and warehouses	2 101 266	1 507 671	593 594	1	1	2
Industrial buildings	1 874 270	1 328 384	545 886	1	1	2
Warehouses	226 995	179 287	47 708	2	2	4
Stores, restaurants, public garages, and automobile service stations	905 275	621 255	284 019	2	2	2
Religious buildings	135 068	88 665	46 403	3	4	4
Educational buildings	648 192	456 719	191 472	2	2	4
Hospitals and institutional buildings	882 275	706 612	175 663	1	1	3
Amusement, social, and recreational buildings	142 556	123 600	18 956	4	5	9
Other nonresidential buildings	235 522	193 024	42 505	3	2	6
<b>Nonbuilding construction</b>	<b>3 184 843</b>	<b>2 240 881</b>	<b>943 961</b>	<b>1</b>	<b>1</b>	<b>1</b>
Highways, streets, and related facilities	1 055 334	651 636	403 697	1	2	2
Bridges, tunnels, and elevated highways	332 424	252 236	80 188	(W)	(W)	2
Bridges and elevated highways	189 555	114 979	74 576	1	(W)	1
Tunnels	142 868	137 256	5 611	1	(W)	16
Power and communication transmission lines, towers, and related facilities	218 064	162 202	55 861	3	3	3
Sewers, water mains, and related facilities	481 782	386 014	95 768	2	2	3
Sewers, sewer lines, and related facilities	352 523	300 975	51 547	2	2	4
Water mains and related facilities	129 259	85 038	44 220	4	5	7
Sewage treatment and water treatment plants	162 391	142 597	19 794	1	1	3
Sewage treatment plants	139 441	123 580	15 861	1	1	4
Water treatment plants	22 950	19 017	3 932	2	2	5
Mass transit construction	262 790	180 992	81 798	1	(W)	2
Subways	195 611	157 720	37 890	1	(W)	3
Railroads	67 179	23 271	43 907	2	1	3
Heavy industrial facilities	299 879	209 027	90 851	1	1	2
Blast furnaces, petroleum refineries, and chemical complexes	84 706	64 122	20 584	2	2	7
Power plants	215 172	144 904	70 267	1	(W)	1
Power plants, nuclear	94 109	53 627	40 481	(W)	1	(W)
Power plants, except nuclear	121 062	91 276	29 786	1	1	3
Other nonbuilding construction	372 179	256 177	116 004	8	10	11
<b>Construction work, n.s.k.</b>	<b>1 372 946</b>	<b>1 081 018</b>	<b>291 926</b>	<b>2</b>	<b>2</b>	<b>2</b>
<b>1977</b>						
<b>Total construction receipts†</b>	<b>10 519 618</b>	<b>7 876 593</b>	<b>2 643 025</b>	<b>(W)</b>	<b>1</b>	<b>1</b>
<b>Building construction</b>	<b>7 328 258</b>	<b>5 280 243</b>	<b>2 048 015</b>	<b>1</b>	<b>1</b>	<b>1</b>
Single-family houses	1 864 856	1 424 044	440 812	2	2	3
Apartment buildings with two or more apartments	648 313	394 853	253 460	1	2	2
Other residential buildings	152 902	108 899	44 003	2	2	3
Office and bank buildings	1 202 875	760 179	442 696	1	1	1
Industrial buildings and warehouses	1 292 239	932 815	359 424	1	1	1
Stores, restaurants, public garages, and automobile service stations	488 032	327 888	160 144	2	2	3
Religious buildings	99 257	58 413	40 844	4	5	5
Educational buildings	510 043	414 650	95 393	1	1	3
Hospitals and institutional buildings	878 807	722 554	156 253	1	1	2
Amusement, social, and recreational buildings	60 991	42 389	18 602	2	3	3
Other nonresidential buildings	129 944	93 559	36 385	3	3	5
<b>Nonbuilding construction</b>	<b>2 584 124</b>	<b>2 070 273</b>	<b>513 851</b>	<b>1</b>	<b>1</b>	<b>1</b>
Highways, streets, and related facilities	606 958	417 113	189 845	2	3	2
Bridges, tunnels, and elevated highways	109 511	76 998	32 513	1	(W)	2
Power and communication transmission lines, towers, and related facilities	238 725	217 660	21 065	1	1	3
Sewers, water mains, and related facilities	487 327	444 751	42 576	1	1	6
Sewage treatment and water treatment plants	402 310	393 936	8 374	1	1	4
Mass transit construction	113 480	81 623	31 857	1	1	2
Heavy industrial facilities	194 479	143 953	50 526	(W)	(W)	1
Power plants	79 851	65 102	14 749	1	1	2
Other nonbuilding construction	351 483	229 137	122 346	2	2	3
<b>Construction work, n.s.k.</b>	<b>607 348</b>	<b>525 683</b>	<b>81 665</b>	<b>3</b>	<b>3</b>	<b>3</b>

<sup>1</sup>Includes data for work done as additions and alterations.



**Table 10. Quarterly Construction Worker Hours and Employment for Establishments With**

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers <sup>1</sup>	Hours worked (thousands)	Construction workers <sup>1</sup>	Hours worked (thousands)
		A	B	C	D	E	F	G
	<b>Construction industries and subdividers and developers</b> .....	<b>26 521</b>	<b>198 098</b>	<b>302 417</b>	<b>172 510</b>	<b>65 229</b>	<b>201 775</b>	<b>77 212</b>
15,16,17	<b>Construction industries:</b>							
15	<b>General building contractors and operative builders:</b>							
152	General contractors, residential buildings:							
1521	Single-family houses .....	3 714	12 866	20 075	10 993	4 413	13 035	5 173
1522	Other residential buildings .....	500	3 627	5 464	3 445	1 329	3 627	1 345
1531	Operative builders .....	537	1 645	2 829	1 514	674	1 637	728
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses .....	407	4 402	7 486	3 604	1 587	4 377	1 851
1542	Nonresidential buildings, n.e.c. ....	1 257	13 688	22 243	11 993	4 853	13 614	5 610
16	<b>Heavy construction general contractors:</b>							
1611	Highway and street construction .....	526	7 294	12 124	3 809	1 480	8 193	3 349
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction .....	48	2 316	3 780	2 220	914	2 822	1 139
1623	Water, sewer, and utility lines .....	426	5 554	9 565	4 155	1 705	5 870	2 545
1629	Heavy construction, n.e.c. ....	347	5 695	10 001	5 418	2 363	5 788	2 547
17	<b>Special trade contractors:</b>							
1711	Plumbing, heating, and air conditioning .....	3 938	24 966	41 517	23 775	9 811	24 235	10 285
1721	Painting, paper hanging, and decorating .....	1 725	8 923	13 806	6 978	3 085	9 215	3 559
1731	Electrical work .....	2 600	37 351	47 272	36 534	11 191	38 130	11 819
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework .....	1 077	6 326	9 128	4 800	1 607	6 125	2 289
1742	Plastering, drywall, and insulation work .....	700	9 565	14 335	8 955	3 255	9 418	3 564
1743	Terrazzo, tile, marble, and mosaic work .....	220	1 634	2 313	1 405	500	1 637	577
175	Carpentering and flooring:							
1751	Carpentering .....	2 083	8 720	12 837	7 481	2 785	8 906	3 307
1752	Floor laying and other floorwork .....	414	1 886	3 009	1 768	685	1 956	780
1761	Roofing and sheet metal work .....	1 441	9 389	13 908	7 438	2 726	9 205	3 473
1771	Concrete work .....	1 165	8 654	12 434	5 975	2 174	9 700	3 441
1781	Water well drilling .....	122	444	758	403	176	456	191
179	Miscellaneous special trade contractors:							
1791	Structural steel erection .....	192	2 108	3 725	1 903	832	2 081	884
1793	Glass and glazing work .....	277	1 797	2 627	1 641	606	1 684	635
1794	Excavating and foundation work .....	960	5 106	8 298	3 670	1 455	5 461	2 205
1795	Wrecking and demolition work .....	105	1 286	1 466	1 267	335	1 256	353
1796	Installing building equipment, n.e.c. ....	276	5 078	8 509	4 945	2 026	5 111	2 137
1799	Special trade contractors, n.e.c. ....	1 265	7 271	11 581	5 931	2 311	7 729	3 077
6552	<b>Subdividers and developers, n.e.c.</b> .....	<b>190</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>

<sup>1</sup>Sum of construction workers during pay periods including 12th of March, May, August, and November

# Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
209 738	82 606	198 858	77 368	1	1	1	1	1	1	(W)	1	1	1	15,16,17
														15
13 678 3 728	5 449 1 373	12 640 3 616	5 039 1 415	3 4	3 4	3 5	4 5	3 6	3 5	3 6	3 4	3 4	4 5	152 1521 1522
1 707	743	1 587	681	7	7	8	10	7	8	8	8	8	8	1531
5 067 14 740	2 166 6 107	4 409 13 913	1 882 5 671	3 1	3 1	3 1	3 1	3 1	3 1	3 1	4 1	4 1	4 1	154 1541 1542
														16
9 304	4 152	7 631	3 141	2	1	2	2	2	2	2	2	2	2	1611
														162
1 744 5 916 5 765	812 2 676 2 591	2 460 6 074 5 702	913 2 638 2 498	(W) 3 2	(W) 3 1	(W) 4 1	(W) 4 2	(W) 3 2	(W) 3 2	(W) 2 2	(W) 3 2	(W) 3 2	(W) 3 2	1622 1623 1629
														17
25 496	10 813	25 169	10 606	1	1	1	2	1	2	1	1	1	2	1711
9 809	3 764	8 882	3 396	3	4	3	12	3	3	3	3	3	4	1721
37 210	12 164	36 798	12 097	1	1	(W)	1	2	2	(W)	1	(W)	1	1731
														174
7 049 10 033 1 812	2 741 3 836 677	6 813 9 501 1 625	2 490 3 679 558	3 1 5	3 1 6	3 1 5	4 2 8	3 1 6	4 2 8	3 2 5	3 2 7	3 1 5	4 2 8	1741 1742 1743
														175
8 983 1 865	3 441 773	8 598 1 797	3 302 770	3 5	3 5	3 6	4 7	4 6	4 7	3 5	4 6	3 5	4 6	1751 1752
10 265	3 937	10 086	3 771	2	3	2	3	3	3	3	3	3	3	1761
10 089	3 748	8 247	3 069	2	2	3	3	2	3	3	3	3	3	1771
457	197	442	192	12	12	12	16	12	16	12	16	12	15	1781
														179
2 362 1 810 5 647 1 431 5 151 8 122	1 070 658 2 447 438 2 188 3 320	2 045 2 011 5 229 1 122 5 032 6 917	938 727 2 189 338 2 156 2 871	4 7 4 2 1 2	3 6 4 2 1 2	4 8 5 2 1 2	4 8 6 3 2 3	4 7 4 1 1 3	4 8 5 3 1 3	4 7 4 2 1 3	4 8 5 4 1 3	4 6 4 2 1 2	4 7 5 3 1 3	1791 1793 1794 1795 1796 1799
(S)	(S)	(S)	(S)	-	-	-	-	-	-	-	-	-	-	6552

**Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	<b>Construction industries and subdividers and developers -----</b>	<b>9.3</b>	<b>18.3</b>	<b>1.5</b>	<b>89.3</b>	<b>.254</b>	<b>.299</b>	<b>.228</b>	<b>.013</b>	<b>.012</b>
15,16,17	<b>Construction industries:</b>									
15	<b>General building contractors and operative builders:</b>									
152	General contractors, residential buildings:									
1521	Single-family houses -----	4.2	11.7	1.6	70.6	.202	.350	.252	.017	.008
1522	Other residential buildings -----	8.8	17.6	1.5	153.6	.139	.174	.612	.006	.006
1531	Operative builders -----	6.7	16.2	1.7	250.6	.141	.267	.449	.010	.004
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses -----	14.1	20.6	1.7	157.7	.170	.205	.465	.012	.010
1542	Nonresidential buildings, n.e.c. -----	14.7	22.4	1.6	223.9	.135	.159	.587	.005	.008
16	<b>Heavy construction general contractors:</b>									
1611	Highway and street construction -----	16.6	20.5	1.7	118.7	.207	.376	.181	.030	.042
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction -----	53.8	24.8	1.6	104.1	.265	.337	.136	.015	.023
1623	Water, sewer, and utility lines -----	15.8	21.8	1.7	101.4	.261	.302	.114	.032	.036
1629	Heavy construction, n.e.c. -----	20.6	25.0	1.8	124.0	.254	.284	.225	.020	.025
17	<b>Special trade contractors:</b>									
1711	Plumbing, heating, and air conditioning -----	8.3	19.7	1.7	90.5	.284	.352	.138	.012	.008
1721	Painting, paper hanging, and decorating -----	5.8	15.3	1.5	44.5	.387	.207	.063	.008	.007
1731	Electrical work -----	17.7	17.6	1.3	63.9	.339	.397	.016	.009	.005
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework -----	6.6	16.8	1.4	56.0	.335	.316	.100	.014	.011
1742	Plastering, drywall, and insulation work -----	16.2	20.7	1.5	66.7	.368	.310	.070	.011	.008
1743	Terrazzo, tile, marble, and mosaic work -----	8.7	15.2	1.4	57.2	.311	.442	.053	.016	.008
175	Carpentering and flooring:									
1751	Carpentering -----	4.9	13.7	1.5	55.8	.289	.331	.129	.013	.006
1752	Floor laying and other floorwork -----	5.8	17.3	1.6	80.5	.276	.437	.078	.010	.005
1761	Roofing and sheet metal work -----	7.9	16.6	1.5	68.0	.298	.389	.083	.016	.011
1771	Concrete work -----	8.4	17.8	1.4	67.3	.299	.381	.059	.017	.018
1781	Water well drilling -----	4.8	15.9	1.7	80.8	.260	.424	.011	.037	.010
179	Miscellaneous special trade contractors:									
1791	Structural steel erection -----	13.0	23.8	1.8	82.5	.341	.205	.117	.013	.022
1793	Glass and glazing work -----	8.4	16.1	1.5	75.4	.277	.494	.043	.014	.012
1794	Excavating and foundation work -----	6.3	16.8	1.6	71.3	.280	.279	.100	.037	.037
1795	Wrecking and demolition work -----	13.8	14.2	1.1	44.4	.358	.129	.095	.038	.032
1796	Installing building equipment, n.e.c. -----	22.7	25.1	1.7	84.3	.368	.222	.037	.010	.011
1799	Special trade contractors, n.e.c. -----	7.4	14.8	1.6	60.5	.316	.334	.064	.017	.013
6552	<b>Subdividers and developers, n.e.c. -----</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>



**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	<b>NEW YORK-NEWARK-JERSEY CITY, N.Y.-N.J.-CONN., SCSA</b>											
	Construction industries and subdividers and developers..	26 975	262 748	4 982 549	19 294 312	14 831 348	9 516 824	5 575 932	4 462 964	233 321	1	(W)
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses .....	3 380	15 176	192 293	965 730	698 830	398 885	319 975	266 900	13 453	3	3
1522	Other residential buildings .....	523	4 014	74 898	552 336	207 794	126 673	85 269	344 543	3 041	4	3
1531	Operative builders .....	702	3 824	68 418	486 091	273 122	163 842	116 170	212 969	4 078	5	4
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	353	5 037	106 229	601 143	309 717	204 805	112 400	291 427	3 459	3	3
1542	Nonresidential buildings, n.e.c. ....	1 218	18 463	412 759	3 328 156	1 236 114	804 511	453 561	2 092 042	19 431	1	1
16	Heavy construction general contractors:											
1611	Highway and street construction .....	455	7 107	144 326	653 219	531 677	310 356	237 215	121 542	19 068	2	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	30	2 193	50 310	203 209	175 041	107 595	67 697	28 168	3 000	1	1
1623	Water, sewer, and utility lines .....	349	6 537	157 387	583 664	521 528	364 383	161 895	62 136	22 164	2	2
1629	Heavy construction, n.e.c. ....	331	15 994	360 348	1 192 496	963 018	642 497	346 602	229 478	14 744	1	(W)
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning .....	4 281	36 441	749 632	2 554 701	2 221 305	1 371 139	879 853	333 396	28 741	2	1
1721	Painting, paper hanging, and decorating .....	1 933	10 949	173 826	452 280	424 065	333 573	91 513	28 215	5 525	3	2
1731	Electrical work .....	2 918	50 125	915 962	2 765 399	2 713 851	1 640 746	1 098 464	51 548	22 855	1	1
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework .....	1 284	9 031	145 337	426 736	384 721	254 250	132 766	42 015	5 181	3	3
1742	Plastering, drywall, and insulation work .....	628	11 498	247 916	658 062	615 670	428 343	201 377	42 393	6 797	2	1
1743	Terrazzo, tile, marble, and mosaic work .....	265	2 244	32 822	104 677	99 604	57 710	42 602	5 074	1 019	6	5
175	Carpentering and flooring:											
1751	Carpentering .....	2 248	10 920	157 376	544 348	472 089	296 405	179 276	72 260	5 761	3	3
1752	Floor laying and other floorwork .....	472	2 778	46 618	156 333	144 979	86 653	61 203	11 354	1 911	5	5
1761	Roofing and sheet metal work .....	1 316	10 577	176 682	598 229	549 104	329 315	227 823	49 125	7 099	3	3
1771	Concrete work .....	1 010	9 389	179 734	604 975	561 447	349 498	223 892	43 528	10 607	3	2
1781	Water well drilling .....	57	476	8 836	31 086	30 738	18 614	12 260	348	*1 069	13	10
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	176	2 917	70 807	194 849	182 906	146 090	41 578	11 943	2 767	3	2
1793	Glass and glazing work .....	294	2 670	46 845	160 627	153 333	82 763	75 504	7 294	2 736	5	5
1794	Excavating and foundation work .....	787	5 185	97 024	364 373	323 016	232 974	97 885	41 357	11 959	4	3
1795	Wrecking and demolition work .....	105	1 879	28 970	78 798	73 629	67 101	9 820	5 169	2 829	2	2
1796	Installing building equipment, n.e.c. ....	296	6 163	162 297	466 473	449 976	343 816	112 859	16 497	4 301	1	1
1799	Special trade contractors, n.e.c. ....	1 367	9 895	158 768	514 081	477 026	324 198	173 351	37 055	8 776	3	3
6552	Subdividers and developers, n.e.c. ....	202	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
	<b>ALBANY-SCHENECTADY-TROY SMSA</b>											
	Construction industries and subdividers and developers..	1 357	11 834	209 573	801 728	643 543	378 496	282 605	158 185	19 988	3	2
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses .....	247	1 068	11 586	55 729	46 359	27 372	22 110	9 370	1 930	13	12
1522	Other residential buildings .....	24	240	4 687	23 851	14 165	7 666	6 525	9 686	152	6	4
1531	Operative builders .....	50	242	3 748	31 174	16 135	1 191	15 139	15 039	132	23	28
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	22	333	6 354	30 517	14 324	7 885	(D)	16 193	606	13	6
1542	Nonresidential buildings, n.e.c. ....	61	1 157	24 201	117 493	67 435	38 667	28 839	50 058	894	6	3

**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	<b>ALBANY-SCHENECTADY-TROY SMSA—Con.</b>											
<b>15,16, 17</b>	<b>Construction industries—Con.</b>											
	<b>Heavy construction general contractors:</b>											
1611	Highway and street construction -----	34	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	8	291	7 067	24 707	18 726	10 381	(D)	5 981	380	(W)	(W)
1623	Water, sewer, and utility lines -----	18	317	6 305	24 042	21 082	13 507	7 655	2 960	645	10	5
1629	Heavy construction, n.e.c. -----	20	602	11 206	38 226	34 633	12 359	22 811	3 594	(D)	7	5
<b>17</b>	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air conditioning-----	161	1 585	32 909	121 919	103 370	61 405	43 301	18 549	2 023	6	5
1721	Painting, paper hanging, and decorating -----	59	279	4 367	11 013	9 845	7 296	2 955	1 168	99	16	18
1731	Electrical work -----	95	855	16 854	43 606	41 075	25 943	15 792	2 531	608	10	8
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	71	299	3 277	8 153	7 891	5 392	2 507	*262	*99	15	12
1742	Plastering, drywall, and insulation work -----	57	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1743	Terrazzo, tile, marble, and mosaic work -----	*10	*85	1 365	5 674	5 024	*2 974	*2 869	*650	*262	53	40
175	Carpentering and flooring:											
1751	Carpentering -----	81	340	2 686	10 427	9 503	5 996	3 699	924	176	29	26
1752	Floor laying and other floorwork-----	22	*62	*625	*2 916	*2 901	*2 021	*1 128	(S)	(S)	51	60
1761	Roofing and sheet metal work -----	89	624	8 906	31 245	30 156	18 838	11 503	1 089	662	16	18
1771	Concrete work -----	48	424	6 497	25 471	21 498	12 947	(D)	3 973	467	18	15
1781	Water well drilling -----	*12	*35	*360	*1 750	*1 710	1 128	*602	*41	-	49	45
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	15	260	5 008	21 732	(D)	11 186	(D)	(D)	513	12	-
1793	Glass and glazing work -----	*9	*123	*1 296	6 584	(D)	1 756	4 019	(D)	-	57	-
1794	Excavating and foundation work-----	53	424	7 852	24 522	22 290	15 461	7 040	2 232	*722	17	13
1795	Wrecking and demolition work -----	11	61	1 053	4 148	3 733	3 327	(D)	416	(D)	23	27
1796	Installing building equipment, n.e.c.-----	16	179	4 299	11 408	10 849	8 448	(D)	559	(D)	2	1
1799	Special trade contractors, n.e.c.-----	65	499	7 252	22 622	21 933	14 559	8 073	690	531	13	11
6552	Subdividers and developers, n.e.c. ---	*5	(S)	(S)	(S)	(S)	(D)	(D)	(S)	(D)	-	-
	<b>BUFFALO SMSA</b>											
	<b>Construction industries and subdividers and developers</b>	<b>2 091</b>	<b>17 500</b>	<b>332 016</b>	<b>1 284 711</b>	<b>1 001 842</b>	<b>633 751</b>	<b>388 153</b>	<b>282 869</b>	<b>19 575</b>	<b>3</b>	<b>2</b>
<b>15,16, 17</b>	<b>Construction industries:</b>											
<b>15</b>	<b>General building contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses -----	326	1 212	11 602	58 212	43 693	24 706	20 187	14 519	400	14	13
1522	Other residential buildings -----	21	*65	*725	*3 502	*2 155	*1 242	*946	*1 347	*12	49	46
1531	Operative builders -----	44	235	3 632	29 880	14 454	7 914	6 812	15 426	201	13	14
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses-----	63	836	18 145	94 826	50 273	34 371	16 313	44 553	499	7	6
1542	Nonresidential buildings, n.e.c. -----	77	1 382	32 714	194 573	99 334	66 674	34 180	95 240	1 807	6	7
<b>16</b>	<b>Heavy construction general contractors:</b>											
1611	Highway and street construction -----	51	863	19 407	144 274	120 034	66 569	54 268	24 240	5 184	6	4
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	6	230	5 832	20 912	18 937	10 433	(D)	1 975	(D)	(W)	(W)
1623	Water, sewer, and utility lines -----	59	691	15 139	67 751	57 624	31 987	26 062	10 127	1 755	8	4
1629	Heavy construction, n.e.c. -----	31	941	26 628	86 038	66 632	51 661	16 061	19 406	671	3	4



**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	<b>BUFFALO SMSA—Con.</b>											
15,16, 17	<b>Construction Industries—Con.</b>											
	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air conditioning .....	262	1 921	40 291	139 539	108 439	64 670	45 309	31 100	1 164	7	5
1721	Painting, paper hanging, and decorating .....	101	460	5 928	14 204	13 486	10 115	(D)	719	184	19	17
1731	Electrical work .....	155	1 503	30 672	81 605	80 007	45 767	(D)	1 598	492	13	4
174 1741	Masonry, plastering, and tile setting; Masonry, stone setting, and other stonework .....	69	341	7 014	19 114	17 922	13 037	(D)	1 192	563	16	15
1742	Plastering, drywall, and insulation work .....	53	898	19 294	45 805	43 875	30 227	14 303	1 930	423	9	6
1743	Terrazzo, tile, marble, and mosaic work .....	*13	71	1 259	3 049	3 029	1 924	(D)	*20	(D)	28	23
175 1751 1752	Carpentering and flooring: Carpentering .....	106	370	4 178	18 154	16 609	9 264	7 393	*1 545	*721	17	19
	Floor laying and other floorwork .....	37	161	2 580	10 285	9 622	4 198	5 480	663	*37	28	23
1761	Roofing and sheet metal work .....	197	1 340	22 089	68 801	64 418	36 508	29 208	4 384	1 057	7	7
1771	Concrete work .....	158	897	14 928	43 648	41 592	24 020	17 636	2 057	833	11	11
1781	Water well drilling .....	3	*17	*129	*444	*414	*226	*202	*30	(D)	53	48
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	27	210	4 022	9 208	8 582	6 427	(D)	626	*128	21	16
1793	Glass and glazing work .....	20	98	1 976	8 376	(D)	5 559	4 319	(D)	104	31	—
1794	Excavating and foundation work .....	79	648	10 865	34 471	31 824	24 454	9 163	2 647	1 160	14	6
1795	Wrecking and demolition work .....	7	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	—	—
1796	Installing building equipment, n.e.c. ....	30	566	13 373	37 513	(D)	27 089	7 691	(D)	(D)	2	—
1799	Special trade contractors, n.e.c. ....	84	1 266	15 419	38 793	37 823	27 272	11 873	970	394	5	8
6552	Subdividers and developers, n.e.c. ....	15	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(D)	—	—
	<b>NASSAU-SUFFOLK SMSA</b>											
	<b>Construction industries and subdividers and developers ..</b>	5 682	40 655	746 666	2 962 371	2 292 939	1 427 429	912 689	669 432	46 269	1	1
15,16, 17	<b>Construction Industries:</b>											
15	<b>General building contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	833	3 423	43 605	224 767	154 424	84 520	71 992	70 343	3 812	7	6
1522	Other residential buildings .....	83	466	10 616	127 390	26 926	15 640	12 354	100 464	124	7	8
1531	Operative builders .....	105	450	8 350	65 153	26 913	18 465	8 596	38 240	348	16	20
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	62	796	16 501	116 485	61 620	35 470	29 022	54 865	833	4	5
1542	Nonresidential buildings, n.e.c. ....	251	2 101	41 189	312 001	123 820	73 514	52 275	188 181	2 545	5	6
16	<b>Heavy construction general contractors:</b>											
1611	Highway and street construction .....	100	1 928	38 580	192 588	142 211	84 668	63 254	50 377	7 404	3	3
162 1622	Heavy construction, except highway: Bridge, tunnel, and elevated highway construction .....	5	(S)	(S)	(S)	(D)	(S)	(S)	(D)	(D)	—	—
1623 1629	Water, sewer, and utility lines .....	95	1 649	37 778	124 345	108 666	74 957	34 776	15 679	3 860	5	5
	Heavy construction, n.e.c. ....	94	707	12 984	50 649	42 983	28 760	15 478	7 666	1 590	9	6
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air conditioning .....	918	6 822	129 362	450 619	405 547	251 128	161 952	45 072	6 125	4	3
1721	Painting, paper hanging, and decorating .....	354	1 932	24 116	62 837	58 096	43 751	14 489	4 741	594	9	5
1731	Electrical work .....	580	3 934	87 065	266 902	257 516	162 093	102 818	9 386	4 000	4	3
174 1741	Masonry, plastering, and tile setting; Masonry, stone setting, and other stonework .....	275	2 348	39 523	124 719	109 261	71 977	37 324	15 458	1 697	6	5
1742	Plastering, drywall, and insulation work .....	126	1 902	42 364	113 339	108 592	74 983	34 415	4 747	981	5	4
1743	Terrazzo, tile, marble, and mosaic work .....	59	309	5 036	16 726	16 518	9 163	7 356	*208	213	14	18
175 1751 1752	Carpentering and flooring: Carpentering .....	462	2 663	39 493	130 837	111 810	73 129	39 253	19 028	1 555	7	6
	Floor laying and other floorwork .....	106	623	10 018	37 259	34 135	17 449	17 500	3 124	*421	11	16
1761	Roofing and sheet metal work .....	263	1 961	32 318	112 446	104 285	56 786	49 684	8 162	1 733	7	5



**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	<b>NASSAU-SUFFOLK SMSA—Con.</b>											
15,16,17	<b>Construction industries—Con.</b>											
	<b>Special trade contractors—Con.</b>											
1771	Concrete work -----	256	2 091	40 418	128 865	122 074	67 666	54 747	6 791	2 992	7	4
1781	Water well drilling -----	14	195	4 145	15 611	15 437	8 754	(D)	174	242	16	13
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	32	340	6 937	20 539	19 096	12 632	6 723	1 443	402	13	7
1793	Glass and glazing work -----	57	265	4 342	18 114	17 660	8 975	9 761	454	487	17	25
1794	Excavating and foundation work -----	130	716	14 182	46 614	41 886	28 811	14 039	4 728	1 955	11	11
1795	Wrecking and demolition work -----	19	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(D)	-	-
1796	Installing building equipment, n.e.c. -----	34	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1799	Special trade contractors, n.e.c. -----	333	1 958	33 950	121 910	112 956	70 297	49 761	8 954	1 788	5	6
6552	Subdividers and developers, n.e.c. -----	41	(S)	(S)	(S)	(D)	(S)	(S)	(D)	(S)	-	-
	<b>NEW YORK, N.Y.-N.J., SMSA</b>											
	<b>Construction industries and subdividers and developers.</b>	12 304	142 376	2 680 252	10 622 410	8 104 697	5 263 624	2 969 925	2 517 713	111 818	1	1
15,16,17	<b>Construction industries:</b>											
15	<b>General building contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses -----	1 381	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1522	Other residential buildings -----	303	2 764	51 321	319 866	139 415	80 236	61 109	180 452	2 434	4	4
1531	Operative builders -----	281	2 152	39 385	260 840	158 753	103 757	60 609	102 087	2 657	7	5
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses -----	161	1 764	35 924	176 375	106 054	74 336	32 712	70 322	1 104	6	5
1542	Nonresidential buildings, n.e.c. -----	619	10 653	258 737	2 204 452	806 149	521 636	293 847	1 398 303	9 172	2	1
16	<b>Heavy construction general contractors:</b>											
1611	Highway and street construction -----	168	2 871	62 019	267 596	225 020	142 819	90 077	42 576	6 999	3	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction -----	12	1 272	30 121	117 389	104 201	66 556	(D)	13 188	2 634	(W)	(W)
1623	Water, sewer, and utility lines -----	118	2 332	56 876	235 363	212 912	151 019	63 850	22 451	9 097	3	2
1629	Heavy construction, n.e.c. -----	126	4 581	122 943	542 064	409 252	278 953	143 373	132 813	5 174	2	1
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air conditioning -----	2 022	17 605	347 802	1 267 404	1 084 360	643 064	455 007	183 044	13 670	2	2
1721	Painting, paper hanging, and decorating -----	993	6 368	109 995	291 330	272 069	215 754	56 864	19 261	3 467	4	3
1731	Electrical work -----	1 411	36 051	595 929	1 794 406	1 771 454	1 080 079	704 398	22 953	12 864	1	1
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	488	3 716	64 144	187 739	170 584	111 302	60 185	17 155	1 906	5	4
1742	Plastering, drywall, and insulation work -----	308	6 873	145 566	387 335	355 824	247 197	112 167	31 511	4 048	2	2
1743	Terrazzo, tile, marble, and mosaic work -----	118	1 224	17 831	54 514	50 526	29 592	21 625	3 988	602	7	9
175	Carpentering and flooring:											
1751	Carpentering -----	1 047	5 772	83 816	288 387	250 266	159 568	92 682	38 121	3 007	4	4
1752	Floor laying and other floorwork -----	214	1 530	28 128	92 574	85 304	52 097	35 032	7 270	834	7	5
1761	Roofing and sheet metal work -----	606	5 329	94 608	327 603	294 918	185 730	111 231	32 685	3 594	4	3
1771	Concrete work -----	432	5 158	103 097	347 190	324 667	209 864	124 474	22 523	5 092	3	2
1781	Water well drilling -----	24	113	1 672	6 150	6 111	3 641	2 517	*39	(S)	28	28
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	77	1 471	37 597	94 860	90 796	76 382	17 284	4 064	764	4	3
1793	Glass and glazing work -----	163	1 709	29 172	98 362	94 297	50 802	45 124	*4 065	1 209	8	7
1794	Excavating and foundation work -----	306	2 626	51 034	196 095	171 273	125 940	51 181	24 822	6 231	5	4
1795	Wrecking and demolition work -----	60	1 199	15 929	43 452	39 146	36 219	(D)	4 306	2 264	2	2
1796	Installing building equipment, n.e.c. -----	145	4 262	116 512	314 569	306 376	242 781	67 896	8 193	2 563	1	1
1799	Special trade contractors, n.e.c. -----	633	5 525	86 250	269 484	249 092	176 778	78 597	20 392	4 341	4	4
6552	Subdividers and developers, n.e.c. -----	94	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-

**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	<b>ROCHESTER SMSA</b>											
	Construction industries and subdividers and developers	1 473	12 594	237 105	971 779	737 270	430 749	317 364	234 510	14 889	3	2
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	179	834	11 756	60 868	45 173	23 225	22 543	15 695	905	11	14
1522	Other residential buildings	22	*58	462	2 555	1 692	*1 037	674	863	*110	46	37
1531	Operative builders	52	387	7 001	68 275	34 894	8 630	26 899	33 381	912	12	13
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	28	892	18 673	151 912	61 344	38 501	23 143	90 568	2 059	4	3
1542	Nonresidential buildings, n.e.c.	60	977	21 790	113 676	66 653	37 535	29 922	47 024	1 055	5	4
16	Heavy construction general contractors:											
1611	Highway and street construction	31	587	10 341	45 649	39 593	21 676	18 850	6 056	1 095	5	6
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1623	Water, sewer, and utility lines	39	643	17 105	64 524	56 962	36 532	20 568	7 562	1 573	7	6
1629	Heavy construction, n.e.c.	*9	*21	223	1 207	*1 085	772	(D)	122	(D)	45	41
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	215	2 266	46 549	145 189	128 553	79 665	50 285	16 636	2 461	6	6
1721	Painting, paper hanging, and decorating	92	498	4 929	12 049	11 395	8 936	2 619	*654	*169	13	12
1731	Electrical work	116	1 577	33 915	85 529	83 743	49 320	34 932	1 786	1 008	9	5
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	89	359	3 953	11 105	10 492	6 731	3 765	613	*119	18	19
1742	Plastering, drywall, and insulation work	43	451	9 126	23 548	21 900	12 786	10 141	1 648	47	12	8
1743	Terrazzo, tile, marble, and mosaic work	*18	108	2 173	7 044	6 892	3 286	3 687	152	*383	21	21
175	Carpentering and flooring:											
1751	Carpentering	121	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1752	Floor laying and other floorwork	16	103	2 110	12 565	11 555	4 551	7 594	1 010	(D)	27	21
1761	Roofing and sheet metal work	77	514	9 904	32 637	30 843	15 674	15 307	1 794	609	12	10
1771	Concrete work	98	751	8 243	34 879	32 714	18 788	14 124	2 165	1 118	13	14
1781	Water well drilling	*4	*5	106	528	521	296	228	7	-	49	27
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	7	92	2 514	4 941	4 881	4 634	(D)	60	(D)	19	11
1793	Glass and glazing work	*13	135	2 817	10 158	9 952	5 707	(D)	*206	259	21	25
1794	Excavating and foundation work	62	419	6 170	22 880	21 000	15 148	6 349	1 880	184	18	12
1795	Wrecking and demolition work	7	32	678	1 534	1 371	1 348	(D)	163	(W)	(W)	(W)
1796	Installing building equipment, n.e.c.	15	123	2 918	8 194	(D)	6 434	1 668	(D)	(D)	18	-
1799	Special trade contractors, n.e.c.	53	221	3 430	10 547	9 630	6 652	3 756	*917	207	14	10
6552	Subdividers and developers, n.e.c.	*6	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
	<b>SYRACUSE SMSA</b>											
	Construction industries and subdividers and developers	1 107	8 900	164 526	600 630	485 047	317 631	191 635	115 583	9 645	3	2
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	144	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1522	Other residential buildings	17	*118	*1 382	*4 857	*3 280	*2 156	(D)	1 577	*123	46	43
1531	Operative builders	25	214	3 366	27 200	16 763	9 280	9 164	10 437	138	15	10
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	28	472	9 831	52 113	29 041	15 359	13 988	23 072	557	5	3
1542	Nonresidential buildings, n.e.c.	60	502	8 765	49 925	25 649	15 732	9 989	24 276	252	13	17

**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	<b>SYRACUSE SMSA—Con.</b>											
15,16,17	<b>Construction industries—Con.</b>											
16	<b>Heavy construction general contractors:</b>											
1611	Highway and street construction -----	24	339	6 869	34 754	26 935	16 288	(D)	7 819	(D)	13	12
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1623	Water, sewer, and utility lines -----	32	440	8 220	35 623	30 047	19 341	(D)	5 576	776	19	6
1629	Heavy construction, n.e.c. -----	36	483	11 765	50 175	39 269	23 802	16 328	10 906	572	9	4
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air conditioning -----	123	1 106	24 083	65 195	61 663	42 731	19 639	3 532	743	8	5
1721	Painting, paper hanging, and decorating -----	73	322	3 556	11 159	10 749	8 590	2 159	*410	72	20	19
1731	Electrical work -----	81	1 073	24 863	61 914	60 918	43 459	(D)	996	2 025	8	5
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	46	276	4 782	13 342	12 922	9 355	(D)	420	158	16	8
1742	Plastering, drywall, and insulation work -----	42	594	11 690	36 753	34 444	22 973	12 317	2 309	853	8	6
1743	Terrazzo, tile, marble, and mosaic work -----	*2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
175	Carpentering and flooring:											
1751	Carpentering -----	93	422	4 703	14 499	13 621	8 356	5 410	878	613	24	23
1752	Floor laying and other floorwork -----	*17	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(S)	-	-
1761	Roofing and sheet metal work -----	77	770	12 603	32 165	29 393	17 909	(D)	2 773	565	9	10
1771	Concrete work -----	44	224	2 939	7 798	7 555	4 746	2 891	*243	*27	20	23
1781	Water well drilling -----	*7	14	(D)	467	(D)	280	200	(D)	(D)	32	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	*11	127	4 200	(D)	(D)	(D)	2 918	(D)	(D)	8	-
1793	Glass and glazing work -----	8	30	451	826	(D)	703	638	(D)	(D)	11	-
1794	Excavating and foundation work -----	40	211	3 388	12 358	11 799	9 088	3 274	559	*110	15	17
1795	Wrecking and demolition work -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c. -----	18	174	4 108	11 067	10 272	8 670	(D)	795	*190	16	10
1799	Special trade contractors, n.e.c. -----	50	314	4 653	15 613	14 559	9 085	5 789	1 054	361	17	15
6552	<b>Subdividers and developers, n.e.c. ---</b>	<b>8</b>	<b>66</b>	<b>1 088</b>	<b>3 497</b>	<b>2 517</b>	<b>2 094</b>	<b>938</b>	<b>980</b>	<b>*37</b>	<b>21</b>	<b>22</b>



# Pennsylvania

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# SUMMARY OF FINDINGS

During 1982, 60,282 establishments in Pennsylvania operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$15.7 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 39,669 establishments in this State with no payroll accounted for about 10 percent of all business receipts for all construction establishments in Pennsylvania. On the other hand, 20,613 establishments classified as "employers" accounted for 90 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$14.2 billion, of which \$13.7 billion were receipts for construction work. These establishments paid \$3.0 billion for construction work subcontracted to others, leaving net construction receipts of about \$10.7 billion. Value added for these establishments amounted to \$7.0 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Pennsylvania paid \$3.9 billion for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$243 million were also made for selected power,

fuels, and lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Pennsylvania was 194 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 54.6 million hours, while hours worked during the third quarter were 70.0 million hours.

Total payroll for 1982 was \$3.8 billion. Payments of \$736 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Pennsylvania are based on a sample of about 7,900 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.



**Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
			Proprietors and working partners	All em- ployees**	All business receipts		Proprietors and working partners	All business receipts		Proprietors and working partners	All em- ployees**	All business receipts		
		Number				Number			Number					
		A	B	C	D	E	F	G	H	I	J	K	J	K
15,16, 17	1982													
	Construction industries and subdividers and developers-----	60 282	50 459	194 058	15 701 299	39 669	40 365	1 549 447	20 613	10 094	194 058	14 151 852	1	(W)
	Construction industries¹-----	59 501	49 749	193 522	15 506 635	39 022	39 665	1 390 212	20 479	10 084	193 516	14 116 431	1	(W)
	General building contractors and operative builders-----	13 653	10 527	38 924	4 526 666	8 157	8 177	473 446	5 496	2 350	38 922	4 053 222	2	1
	Heavy construction, general contractors _	2 503	1 831	37 924	3 278 751	1 537	1 553	81 590	966	278	37 904	3 197 162	1	(W)
	Special trade contractors-----	43 345	37 391	116 694	7 701 218	29 328	29 935	835 176	14 017	7 456	116 690	6 866 047	1	1
	Plumbing, heating, and air conditioning----	6 121	4 724	27 493	2 001 499	3 213	3 287	124 340	2 908	1 437	27 493	1 877 159	1	1
	Electrical work-----	4 091	3 241	16 609	1 193 958	2 634	2 665	65 169	1 457	576	16 609	1 128 789	1	1
	Subdividers and developers, n.e.c.²-----	774	707	536	194 656	647	700	159 235	127	*7	536	35 421	10	10
	1977													
15,16, 17	Construction industries and subdividers and developers-----	57 733	51 763	217 238	11 451 259	33 393	34 696	845 235	24 340	17 067	217 238	10 606 024	1	(W)
	Construction industries¹-----	57 128	51 228	216 134	11 291 056	32 992	34 212	752 131	24 136	17 016	216 134	10 538 925	1	(W)
	General building contractors and operative builders-----	13 425	11 391	54 354	3 950 184	5 456	5 726	301 417	7 969	5 665	54 354	3 648 767	1	1
	Heavy construction, general contractors _	2 328	1 567	48 610	2 531 242	1 036	1 046	23 182	1 292	521	48 610	2 508 060	1	(W)
	Special trade contractors-----	41 375	38 271	113 170	4 809 630	26 500	27 440	427 532	14 875	10 831	113 170	4 382 098	1	1
	Plumbing, heating, and air conditioning----	5 976	5 075	22 338	1 166 310	2 949	3 082	72 267	3 027	1 993	22 338	1 094 043	2	1
	Electrical work-----	4 375	3 852	16 204	705 229	2 739	2 810	38 447	1 636	1 042	16 204	666 782	2	1
	Subdividers and developers, n.e.c.²-----	610	534	(S)	160 206	401	484	93 104	209	50	(S)	(S)	-	-

<sup>1</sup>For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

<sup>2</sup>For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

**Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll <sup>1</sup>			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
<b>1982</b>													
The State -----	60 282	50 459	194 058	15 701 299	39 669	40 365	1 549 447	20 613	10 094	194 058	14 151 852	1	(W)
\$10,000,000 or more -----	215	17	63 287	6 451 305	4	6	100 226	211	11	63 287	6 351 079	(W)	(W)
\$5,000,000 to \$9,999,999 -----	202	14	14 793	1 406 358	9	8	63 136	193	6	14 793	1 343 222	(W)	(W)
\$2,500,000 to \$4,999,999 -----	431	19	18 150	1 505 163	17	8	58 837	414	11	18 150	1 446 326	(W)	(W)
\$1,000,000 to \$2,499,999 -----	1 214	162	25 339	1 871 288	74	68	103 826	1 140	94	25 339	1 767 462	1	2
\$500,000 to \$999,999 -----	1 593	387	17 512	1 113 230	141	128	96 308	1 452	259	17 512	1 016 922	3	3
\$250,000 to \$499,999 -----	3 101	1 309	18 409	1 094 599	405	398	140 511	2 696	911	18 409	954 088	3	3
\$100,000 to \$249,999 -----	7 252	4 994	21 327	1 127 696	1 763	1 855	259 874	5 489	3 139	21 327	867 822	3	3
\$50,000 to \$99,999 -----	7 800	6 732	8 375	545 739	3 863	4 187	265 187	3 937	2 545	8 375	280 552	4	3
\$25,000 to \$49,999 -----	9 193	8 419	3 977	326 233	6 652	6 854	233 209	2 541	1 565	3 977	93 024	4	3
Less than \$25,000 -----	29 277	28 405	2 887	259 686	26 741	26 853	228 333	2 536	1 552	2 887	31 353	3	5
\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	10 216	10 290	162 173	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	6 498	6 528	44 593	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	6 068	6 073	17 608	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000 -----	(NA)	(NA)	(NA)	(NA)	3 959	3 962	3 959	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
<b>1977</b>													
The State -----	57 733	51 763	217 238	11 451 259	33 393	34 696	845 235	24 340	17 067	217 238	10 606 024	1	(W)
\$10,000,000 or more -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 <sup>2</sup> -----	279	23	68 113	(D)	2	2	(D)	277	21	68 113	4 322 273	(W)	(W)
\$2,500,000 to \$4,999,999 -----	372	41	21 694	5 646 887	14	16	60 974	358	25	21 694	1 263 640	(W)	(W)
\$1,000,000 to \$2,499,999 -----	1 079	177	28 978	1 632 935	47	51	67 266	1 032	126	28 978	1 565 669	1	1
\$500,000 to \$999,999 -----	1 688	544	23 472	1 175 078	123	111	81 990	1 565	433	23 472	1 093 088	1	2
\$250,000 to \$499,999 -----	2 720	1 469	21 855	939 127	189	186	63 961	2 531	1 283	21 855	875 166	2	3
\$100,000 to \$249,999 -----	6 442	5 138	27 201	1 005 313	673	771	100 563	5 769	4 367	27 201	904 750	3	3
\$50,000 to \$99,999 -----	6 989	6 559	13 868	494 848	1 683	1 973	112 368	5 306	4 586	13 868	382 480	4	4
\$25,000 to \$49,999 -----	8 588	8 352	7 509	304 773	4 348	4 759	147 654	4 240	3 593	7 509	157 119	5	5
Less than \$25,000 -----	29 577	29 460	(S)	252 299	26 314	26 827	210 459	(S)	(S)	(S)	(S)	-	-
\$10,000 to \$24,999 -----	11 310	11 325	3 160	177 966	9 158	9 481	142 524	2 152	1 844	3 160	35 442	8	7
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	6 822	6 923	46 515	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	6 442	6 505	18 607	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	3 892	3 918	2 813	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

<sup>1</sup>For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

<sup>2</sup>Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

**Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers -----	20 613	194 058	156 080	3 780 060	2 929 698	254 382	13 670 606	10 716 736
15,16, 17	Construction industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	3 689	14 751	12 056	160 380	119 385	17 713	856 196	638 295
1522	Other residential buildings -----	274	1 795	1 438	32 667	23 748	2 490	215 640	105 056
1531	Operative builders -----	334	2 820	1 693	38 614	20 516	2 798	1 251 332	158 937
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	382	6 600	5 191	145 470	111 553	9 176	804 314	436 467
1542	Nonresidential buildings, n.e.c. -----	817	12 956	9 968	263 607	185 142	16 719	1 843 063	761 643
16	Heavy construction general contractors:								
1611	Highway and street construction -----	446	9 251	7 769	188 387	149 185	13 754	835 064	676 015
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	47	2 065	1 731	45 990	36 595	3 297	203 934	144 692
1623	Water, sewer, and utility lines -----	290	9 373	7 947	193 256	161 532	14 724	572 710	508 939
1629	Heavy construction, n.e.c. -----	183	17 215	12 062	499 406	360 081	23 859	1 330 838	1 081 430
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning -----	2 908	27 493	21 410	566 951	434 831	34 873	1 848 767	1 620 578
1721	Painting, paper hanging, and decorating -----	1 191	7 433	6 608	114 806	97 124	8 866	272 783	261 207
1731	Electrical work -----	1 457	16 609	12 817	376 467	302 037	21 700	1 114 402	1 084 993
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	1 190	7 453	6 863	110 146	96 128	9 544	295 665	279 052
1742	Plastering, drywall, and insulation work -----	556	8 085	6 777	172 051	140 208	11 204	429 162	416 088
1743	Terrazzo, tile, marble, and mosaic work -----	125	748	645	12 746	10 517	1 076	41 004	39 949
175	Carpentering and flooring:								
1751	Carpentering -----	1 662	5 965	5 262	67 472	57 022	7 825	241 702	210 148
1752	Floor laying and other floorwork -----	324	1 402	1 141	20 878	15 600	1 878	76 517	72 876
1761	Roofing and sheet metal work -----	1 298	10 496	8 545	180 828	136 030	12 616	553 508	535 065
1771	Concrete work -----	1 059	6 102	5 296	84 640	70 532	7 627	322 471	303 431
1781	Water well drilling -----	116	557	413	8 416	6 354	727	26 456	26 524
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	103	4 663	4 147	112 005	95 875	5 998	313 922	258 739
1793	Glass and glazing work -----	144	2 274	1 885	53 385	45 059	3 110	147 645	(D)
1794	Excavating and foundation work -----	923	7 098	5 991	110 048	90 816	9 272	397 208	349 498
1795	Wrecking and demolition work -----	52	554	471	10 047	7 709	756	29 813	24 489
1796	Installing building equipment, n.e.c. -----	209	6 088	4 917	149 974	114 777	8 257	414 348	380 827
1799	Special trade contractors, n.e.c. -----	700	3 670	2 888	55 528	39 884	4 288	207 286	(D)
6552	Subdividers and developers, n.e.c. -----	127	536	143	5 891	1 412	223	1 22 350	17 209

†Land receipts for SIC 1531 were \$34,965; for SIC 6552 were \$11,404.



1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
7 048 422	4 103 189	2 953 870	188 346	209 940	2 403 616	217 238	10 166 864	5 112 567	1	(W)	1	15,16, 17
												15
339 327	319 110	217 900	6 916	12 468	115 090	23 775	1 100 265	393 948	3	3	5	152
66 743	39 826	110 584	1 038	1 964	20 846	1 955	155 603	55 769	6	4	8	1522
89 176	74 144	92 395	1 012	2 700	68 899	5 251	492 977	141 934	7	5	11	1531
275 787	167 582	367 846	8 335	8 982	89 253	8 788	567 439	181 628	3	2	3	154
498 764	277 649	1 081 419	8 967	14 408	159 227	14 585	1 211 101	317 257	1	1	3	1541
												16
450 754	303 940	159 049	29 428	36 331	378 314	11 361	575 350	335 826	1	1	(W)	1611
93 988	51 679	59 242	3 982	3 653	51 101	1 637	131 872	52 958	1	(W)	1	162
377 648	136 341	63 771	18 162	22 263	196 897	10 427	429 329	287 445	1	1	2	1622
855 671	395 667	249 408	20 211	11 538	159 787	25 185	1 224 417	787 799	(W)	(W)	1	1623
												1629
												17
970 461	678 509	228 189	21 885	24 163	233 132	22 338	1 069 739	532 259	1	1	2	1711
204 085	58 598	11 576	3 476	5 362	39 813	7 854	187 870	142 093	3	3	7	1721
603 550	495 829	29 408	9 368	11 500	151 408	16 204	652 093	412 718	1	1	3	1731
191 008	89 300	16 612	2 979	4 453	60 129	9 773	246 715	166 718	3	2	4	174
290 852	151 193	13 074	3 896	5 358	37 498	8 958	312 592	188 507	2	2	4	1741
24 011	16 433	1 055	107	419	3 862	818	28 876	17 154	9	6	19	1742
												1743
126 485	86 892	31 554	2 016	3 187	31 327	5 297	145 317	89 807	4	4	8	175
38 330	36 934	3 641	672	1 031	6 513	1 882	79 722	37 389	8	7	13	1751
												1752
303 551	239 083	18 443	5 613	7 599	83 205	11 566	393 513	235 057	2	2	3	1761
186 596	123 147	19 040	6 084	5 404	80 672	4 026	132 646	70 999	4	3	7	1771
17 499	12 301	431	183	1 039	20 426	859	44 336	25 966	13	13	28	1781
												179
209 603	51 751	55 183	6 729	1 896	60 567	7 742	366 002	217 904	2	1	2	1791
102 287	36 287	(D)	1 065	1 803	13 467	1 078	39 453	21 816	3	—	14	1793
255 094	102 623	47 710	13 355	15 659	245 297	6 515	241 046	174 322	3	3	5	1794
21 125	7 315	5 324	2 755	477	8 526	870	25 033	22 329	8	1	(W)	1795
324 372	67 786	33 521	6 235	2 586	43 225	2 421	115 221	88 565	2	1	7	1796
117 257	78 779	(D)	3 731	3 335	34 557	4 969	159 057	98 527	5	—	8	1799
14 391	4 483	5 141	138	354	10 571	(S)	(S)	(S)	10	9	18	6552

**Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years**

(Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes)

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year .....	20 613	24 340	22 661	20 059	1	2	2	2
Number of establishments in business at end of year .....	20 040	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Proprietors and working partners .....	10 094	17 067	16 710	16 904	2	2	3	3
All employees** .....	194 058	217 238	236 600	218 932	1	1	1	1
Construction workers:								
March .....	134 274	148 795	171 493	161 395	1	1	1	1
May .....	158 772	188 529	197 326	190 220	1	1	1	1
August .....	167 139	201 546	227 174	207 652	1	1	1	1
November .....	155 393	185 849	206 282	192 114	1	1	1	1
Average .....	156 080	181 302	202 764	189 783	1	1	1	1
Other employees:								
March .....	37 802	34 633	33 066	28 272	1	1	1	1
Construction worker hours (thousands):								
January to March .....	54 599	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
April to June .....	65 321	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
July to September .....	69 954	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
October to December .....	64 506	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Total hours worked .....	254 382	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Payroll, all employees .....	3 780 060	2 921 623	2 465 140	1 609 063	(W)	(W)	1	1
Payroll, construction workers .....	2 929 698	2 307 389	2 029 371	1 334 146	(W)	(W)	1	1
Payroll, other employees .....	850 362	614 234	435 769	274 919	(W)	1	1	1
First quarter payroll, all employees .....	827 362	581 681	(NA)	(NA)	(W)	(W)	(NA)	(NA)
Employer costs for fringe benefits .....	735 937	568 176	(NA)	(NA)	(W)	(W)	(NA)	(NA)
Legally required expenditures .....	546 990	297 643	(NA)	(NA)	(W)	(W)	(NA)	(NA)
Voluntary expenditures .....	188 947	270 533	(NA)	(NA)	1	(W)	(NA)	(NA)
All business receipts .....	14 151 852	10 606 024	8 202 274	5 599 892	(W)	(W)	1	1
Total construction receipts .....	13 670 606	10 166 864	7 891 853	5 383 476	(W)	(W)	1	1
Receipts for work subcontracted in from others .....	3 159 703	2 161 677	1 591 353	1 085 492	1	1	2	3
Land receipts <sup>1</sup> .....	46 369	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
Other business receipts .....	434 875	439 160	310 421	217 623	1	1	4	1
Net construction receipts† .....	10 716 736	8 104 608	6 237 022	4 133 954	(W)	(W)	1	1
Value added†† .....	7 048 422	5 112 567	4 056 273	2 602 245	(W)	(W)	1	1
Selected payments .....	7 057 059	5 413 755	4 056 766	2 975 139	(W)	1	1	1
Materials, components, and supplies <sup>2</sup> .....	3 860 118	3 170 413	2 401 935	1 726 045	1	1	1	1
Construction work subcontracted to others .....	2 953 870	2 062 256	1 654 831	1 249 644	1	1	1	1
Selected power, fuels, and lubricants .....	243 071	181 086	(NA)	(NA)	1	1	(NA)	(NA)
Electricity .....	36 213	25 079	(NA)	(NA)	1	1	(NA)	(NA)
Natural gas .....	15 256	13 145	(NA)	(NA)	3	6	(NA)	(NA)
Gasoline and diesel fuel (including gasohol) .....	174 254	117 737	(NA)	(NA)	1	1	(NA)	(NA)
Other, including lubricating oils and greases .....	17 346	25 127	(NA)	(NA)	2	2	(NA)	(NA)
Storage capacity for fuels (thousand gallons) <sup>3</sup> .....	3 758	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures .....	188 346	133 566	(NA)	(NA)	1	1	(NA)	(NA)
For machinery and equipment .....	136 972	112 217	99 676	62 262	1	1	4	1
For structures .....	51 374	21 350	(NA)	(NA)	2	1	(NA)	(NA)
Selected purchased services .....	218 594	186 217	(NA)	(NA)	1	1	(NA)	(NA)
Communication services .....	61 054	42 828	(NA)	(NA)	1	2	(NA)	(NA)
Repairs to structures and related facilities .....	15 540	10 928	(NA)	(NA)	3	3	(NA)	(NA)
Repairs to machinery and equipment .....	142 000	132 461	(NA)	(NA)	1	1	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts .....	13 670 606	10 166 864	7 891 853	5 383 476	(W)	(W)	1	1
Government owned .....	2 547 396	1 878 659	2 463 857	1 483 625	2	(W)	1	1
Privately owned .....	11 123 209	8 288 205	5 427 996	3 899 851	1	1	1	1

<sup>1</sup>Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

<sup>2</sup>For 1967 and 1972, includes data for power, fuels, and lubricants.

<sup>3</sup>Data were collected only for establishments classified as heavy construction contractors.

**Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	2 281 938	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	209 940	254 287	188 604	106 245	1	2	4	2
New -----	159 633	211 263	159 847	86 060	1	2	4	2
Used -----	50 307	43 024	28 757	20 185	3	3	6	3
Retirements and disposition of depreciable assets -----	88 262	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	2 403 616	1 825 995	1 259 529	(NA)	1	1	2	(NA)
Depreciation charges during year -----	287 949	165 936	132 767	(NA)	1	1	2	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	396 356	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	35 977	33 013	37 355	15 593	4	9	12	6
New structures and related facilities -----	29 707	27 959	31 776	9 897	3	8	16	4
Used structures and related facilities -----	6 270	5 054	5 579	5 696	7	10	8	9
Retirements and disposition of depreciable assets -----	12 021	(NA)	(NA)	(NA)	12	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	420 312	357 186	266 794	(NA)	2	2	4	(NA)
Depreciation charges during year -----	39 853	15 841	17 407	(NA)	2	3	4	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	1 885 581	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	173 963	221 275	151 249	90 652	1	2	5	2
New machinery and equipment, including automobiles and trucks -----	129 926	183 305	128 071	76 163	1	2	3	2
New automobiles and trucks, intended primarily for highway use -----	55 225	79 665	(NA)	(NA)	2	2	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	44 037	37 970	23 178	14 489	2	3	7	3
Retirements and disposition of depreciable assets -----	76 241	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	1 983 303	1 468 809	992 735	(NA)	1	1	2	(NA)
Depreciation charges during year -----	248 096	150 095	115 360	(NA)	1	1	2	(NA)

**Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number .....	20 613	1
Total construction receipts .....	13 670 606	(W)
Establishments with inventories:		
Number .....	5 107	5
Total construction receipts .....	5 840 903	1
Inventories <sup>1</sup> :		
End of 1982, total .....	280 270	2
Value for establishments with LIFO reserve .....	31 474	3
Amount of LIFO reserve .....	12 903	5
Value for establishments with no LIFO reserve .....	248 796	3
End of 1981, total .....	265 948	2
Value for establishments with LIFO reserve .....	30 603	2
Amount of LIFO reserve .....	12 258	4
Value for establishments with no LIFO reserve .....	235 345	2
Establishments with no inventories:		
Number .....	15 506	1
Total construction receipts .....	7 829 703	1

<sup>1</sup>Inventories at cost or market prior to any adjustment to correct to LIFO values.



**Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977**

(Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes)

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1982										
Number of establishments .....	20 613	13 698	3 485	1 843	1 066	295	169	31	13	12
All employees** .....	194 058	27 054	22 854	24 442	31 160	19 908	25 529	10 892	8 825	23 393
Payroll, all employees .....	3 780 060	264 465	313 617	392 314	603 524	451 931	628 901	252 005	226 125	647 177
Construction worker hours (thousands) .....	254 382	33 619	27 617	29 511	40 655	27 810	34 779	15 785	11 990	32 613
All business receipts .....	14 151 852	1 367 538	1 219 553	1 490 948	2 322 902	4 325 408	(D)	1 602 199	(D)	1 823 303
Total construction receipts .....	13 670 606	1 342 746	1 189 370	1 452 380	2 259 635	1 677 517	2 508 554	948 252	604 176	1 687 974
Net construction receipts† .....	10 716 736	1 155 624	1 002 329	1 191 206	1 727 346	1 244 913	1 760 466	672 994	511 743	1 450 114
Value added†† .....	7 048 422	650 543	596 059	723 711	1 113 474	820 748	1 185 953	456 880	389 532	1 111 521
Payments for materials, components, supplies, and fuels .....	4 103 189	521 785	428 344	494 614	664 550	464 230	667 647	388 095	(D)	473 922
Payments for construction work subcontracted to others .....	2 953 870	187 122	187 041	261 174	532 289	432 604	748 088	275 258	92 433	237 860
Rental payments for machinery, equipment, and structures .....	188 346	13 240	15 610	19 639	29 142	28 383	39 791	15 427	11 572	15 541
Capital expenditures, other than land .....	209 940	25 486	22 170	24 489	34 033	27 099	38 451	15 095	12 966	10 150
End-of-year gross book value of depreciable assets .....	2 403 616	344 898	261 332	294 174	415 476	262 882	400 981	153 022	82 913	187 937
1977										
All employees** .....	217 238	31 058	29 117	30 770	35 091	22 007	18 630	18 398	8 705	23 464
Total construction receipts .....	10 166 864	1 176 248	1 136 159	1 361 854	1 864 179	1 219 375	981 964	1 039 486	328 868	1 058 730
Value added†† .....	5 112 567	531 172	519 524	651 674	885 848	597 942	483 963	512 954	242 244	687 246
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees** .....	1	2	3	3	1	(W)	(W)	(W)	(W)	(W)
Net construction receipts† .....	(W)	2	3	2	1	(W)	(W)	(W)	(W)	(W)
Capital expenditures, other than land .....	1	6	6	6	2	(W)	(W)	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

**Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977**

(Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes)

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments -----	20 613	2 536	2 541	3 937	5 489	2 696	1 452	1 140	414	193	211
All employees** -----	194 058	2 887	3 977	8 375	21 327	18 409	17 512	25 339	18 150	14 793	63 287
Payroll, all employees -----	3 780 060	8 999	24 474	66 482	227 184	248 140	288 950	487 000	406 469	344 250	1 678 109
Construction worker hours (thousands) -----	254 382	2 540	4 199	9 937	24 958	22 634	21 860	32 551	25 459	20 429	89 811
All business receipts -----	14 151 852	31 353	93 024	280 552	867 822	954 088	1 016 922	1 767 462	1 446 326	1 343 222	6 351 079
Total construction receipts -----	13 670 606	30 864	92 277	277 091	854 197	931 724	993 996	1 720 122	1 407 444	1 293 316	6 069 573
Net construction receipts† -----	10 716 736	28 025	86 171	258 428	781 115	816 182	854 094	1 406 840	1 102 936	986 116	4 396 827
Value added†† -----	7 048 422	16 812	50 817	148 721	459 259	480 087	515 027	870 163	719 859	660 519	3 127 156
Payments for materials, components, supplies, and fuels -----	4 103 189	11 514	35 958	112 083	332 933	353 609	356 786	571 976	414 833	369 023	1 544 471
Payments for construction work subcontracted to others -----	2 953 870	2 839	6 106	18 663	73 082	115 541	139 902	313 281	304 508	307 200	1 672 746
Rental payments for machinery, equipment, and structures -----	188 346	393	1 078	2 189	9 621	12 523	14 590	22 157	26 160	19 541	80 092
Capital expenditures, other than land -----	209 940	294	1 277	5 167	17 294	19 841	17 052	29 338	19 947	21 313	78 414
End-of-year gross book value of depreciable assets -----	2 403 616	10 079	32 593	79 341	226 566	222 243	216 810	338 040	238 185	218 082	821 674
1977											
All employees** -----	217 238	(S)	7 509	13 868	27 201	21 855	23 472	28 978	21 694	168 113	(NA)
Total construction receipts -----	10 166 864	(S)	155 062	375 764	883 954	851 444	1 051 795	1 495 297	1 204 253	14 107 789	(NA)
Value added†† -----	5 112 567	(S)	82 665	200 979	440 901	417 125	509 867	726 573	632 284	12 078 934	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees** -----	1	3	4	4	3	3	3	1	(W)	(W)	(W)
Net construction receipts† -----	(W)	4	4	3	3	3	3	1	(W)	(W)	(W)
Capital expenditures, other than land -----	1	22	16	11	6	9	8	3	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

\*Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

**Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction <sup>1</sup>	Maintenance and repair			
	A	B	C	A	B	C
<b>1982</b>						
Total construction receipts\$	13 670 606	10 210 856	3 459 750	(W)	(W)	1
<b>Building construction</b>	8 796 370	6 819 916	1 976 454	1	(W)	1
Single-family houses	1 832 446	1 289 906	542 540	2	2	3
Single-family houses, detached	1 495 865	1 042 897	452 967	2	2	2
Single-family houses, attached	336 581	247 008	89 573	3	4	5
Apartment buildings with two or more apartments	522 976	426 557	96 419	2	2	5
Other residential buildings	191 641	151 228	40 413	2	2	3
Office and bank buildings	1 688 503	1 391 272	297 231	1	1	2
Office buildings	1 521 069	1 273 055	248 014	1	1	1
Bank buildings and other financial institutions	167 433	118 217	49 216	3	3	5
Industrial buildings and warehouses	2 141 196	1 620 632	520 563	1	1	1
Industrial buildings	1 876 650	1 404 465	472 184	1	1	2
Warehouses	264 545	216 166	48 378	2	1	3
Stores, restaurants, public garages, and automobile service stations	685 324	530 688	154 636	1	2	2
Religious buildings	115 762	72 044	43 718	3	3	5
Educational buildings	432 852	325 985	106 867	1	1	3
Hospitals and institutional buildings	978 036	854 241	123 795	1	1	2
Amusement, social, and recreational buildings	74 807	61 269	13 538	4	4	7
Other nonresidential buildings	132 827	96 094	36 734	3	3	8
<b>Nonbuilding construction</b>	4 192 200	2 867 396	1 324 803	(W)	(W)	1
Highways, streets, and related facilities	976 239	613 845	362 394	1	1	2
Bridges, tunnels, and elevated highways	221 552	144 294	77 257	1	1	2
Power and communication transmission lines, towers, and related facilities	206 800	143 730	63 070	2	2	2
Sewers, water mains, and related facilities	302 619	258 064	44 554	3	3	7
Sewers, sewer lines, and related facilities	224 662	198 718	25 944	3	3	9
Water mains and related facilities	77 957	59 346	18 610	6	5	9
Pipeline, other than sewer or water lines	137 902	106 942	30 959	2	2	1
Sewage treatment and water treatment plants	199 934	183 564	16 370	2	1	9
Sewage treatment plants	164 401	153 881	10 520	1	1	7
Water treatment plants	35 533	29 682	5 850	4	3	17
Mass transit construction	87 597	73 054	14 543	1	(W)	6
Heavy industrial facilities	1 799 282	1 166 035	633 246	(W)	(W)	(W)
Blast furnaces, petroleum refineries, and chemical complexes	500 181	251 573	248 607	(W)	(W)	1
Power plants	1 299 101	914 461	384 639	(W)	(W)	(W)
Power plants, nuclear	773 966	555 957	218 008	(W)	(W)	(W)
Power plants, except nuclear	525 135	358 504	166 630	(W)	(W)	1
Other nonbuilding construction	260 275	177 868	82 410	4	4	9
<b>Construction work, n.s.k.</b>	682 035	523 543	158 492	3	3	3
<b>1977</b>						
Total construction receipts\$	10 166 864	7 996 931	2 169 933	(W)	(W)	1
<b>Building construction</b>	6 584 704	5 076 618	1 508 086	1	1	1
Single-family houses	2 281 252	1 705 657	575 595	2	2	2
Apartment buildings with two or more apartments	394 078	324 868	69 210	2	2	4
Other residential buildings	112 788	83 226	29 562	1	1	4
Office and bank buildings	488 615	363 982	124 633	1	1	2
Industrial buildings and warehouses	1 512 272	1 150 750	361 522	1	1	1
Stores, restaurants, public garages, and automobile service stations	413 487	310 424	103 063	2	2	3
Religious buildings	134 027	92 721	41 306	3	3	4
Educational buildings	424 018	352 003	72 015	1	1	3
Hospitals and institutional buildings	653 649	556 246	97 403	1	1	2
Other nonresidential buildings	170 519	136 741	33 778	2	2	4
<b>Nonbuilding construction</b>	3 106 007	2 518 075	587 932	(W)	(W)	1
Highways, streets, and related facilities	599 823	396 123	203 700	1	1	2
Bridges, tunnels, and elevated highways	238 172	199 296	38 876	1	1	2
Power and communication transmission lines, towers, and related facilities	168 971	136 995	31 976	5	6	6
Sewers, water mains, and related facilities	349 824	310 219	39 605	2	2	5
Sewage treatment and water treatment plants	186 342	176 682	9 660	1	1	5
Heavy industrial facilities	700 964	571 438	129 526	1	1	1
Power plants	492 070	439 854	52 216	(W)	(W)	1
Other nonbuilding construction	369 841	287 468	62 373	1	1	3
<b>Construction work, n.s.k.</b>	476 255	401 931	74 324	3	3	3

<sup>1</sup>Includes data for work done as additions and alterations.

**Table 10. Quarterly Construction Worker Hours and Employment for Establishments With**

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers <sup>1</sup>	Hours worked (thousands)	Construction workers <sup>1</sup>	Hours worked (thousands)
		A	B	C	D	E	F	G
	<b>Construction industries and subdividers and developers-----</b>	<b>20 613</b>	<b>156 080</b>	<b>254 382</b>	<b>134 274</b>	<b>54 599</b>	<b>158 772</b>	<b>65 321</b>
15,16,17	<b>Construction industries:</b>							
15	<b>General building contractors and operative builders:</b>							
152	General contractors, residential buildings:							
1521	Single-family houses-----	3 689	12 056	17 713	9 883	3 736	11 997	4 505
1522	Other residential buildings-----	274	1 438	2 490	1 248	532	1 338	589
1531	Operative builders-----	334	1 693	2 798	1 470	577	1 737	747
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses-----	382	5 191	9 176	4 564	2 043	5 385	2 424
1542	Nonresidential buildings, n.e.c.-----	817	9 968	16 719	8 706	3 612	9 744	4 133
16	<b>Heavy construction general contractors:</b>							
1611	Highway and street construction-----	446	7 769	13 754	4 251	1 615	8 851	3 784
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction-----	47	1 731	3 297	1 115	573	1 947	876
1623	Water, sewer, and utility lines-----	290	7 947	14 724	6 826	3 090	8 235	3 885
1629	Heavy construction, n.e.c.-----	183	12 062	23 859	12 067	6 091	12 251	6 091
17	<b>Special trade contractors:</b>							
1711	Plumbing, heating, and air conditioning-----	2 908	21 410	34 873	20 537	8 407	21 057	8 581
1721	Painting, paper hanging, and decorating-----	1 191	6 608	8 866	5 250	1 765	6 844	2 298
1731	Electrical work-----	1 457	12 817	21 700	12 456	5 129	12 866	5 689
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework-----	1 190	6 863	9 544	5 323	1 781	7 077	2 514
1742	Plastering, drywall, and insulation work-----	556	6 777	11 204	6 213	2 538	6 817	2 819
1743	Terrazzo, tile, marble, and mosaic work-----	125	645	1 076	589	241	593	257
175	Carpentering and flooring:							
1751	Carpentering-----	1 662	5 262	7 825	4 094	1 595	5 105	1 992
1752	Floor laying and other floorwork-----	324	1 141	1 878	1 055	417	1 134	477
1761	Roofing and sheet metal work-----	1 298	8 545	12 616	6 914	2 473	8 420	3 192
1771	Concrete work-----	1 059	5 296	7 627	2 997	1 064	6 100	2 219
1781	Water well drilling-----	116	413	727	333	160	409	182
179	Miscellaneous special trade contractors:							
1791	Structural steel erection-----	103	4 147	5 998	3 804	1 370	4 364	1 521
1793	Glass and glazing work-----	144	1 885	3 110	1 750	721	1 773	740
1794	Excavating and foundation work-----	923	5 991	9 272	4 626	1 754	6 420	2 521
1795	Wrecking and demolition work-----	52	471	756	448	175	488	185
1796	Installing building equipment, n.e.c.-----	209	4 917	8 257	5 229	2 215	4 492	1 843
1799	Special trade contractors, n.e.c.-----	700	2 888	4 288	2 393	860	3 176	1 180
6552	<b>Subdividers and developers, n.e.c.-----</b>	<b>127</b>	<b>143</b>	<b>223</b>	<b>128</b>	<b>53</b>	<b>144</b>	<b>61</b>

<sup>1</sup>Sum of construction workers during pay periods including 12th of March, May, August, and November.



# Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
167 139	69 954	155 393	64 506	1	1	1	1	1	1	1	1	1	1	15,16, 17
														15
12 674	4 851	12 209	4 620	3	3	4	4	3	4	3	4	4	5	152
1 452	656	1 571	710	5	6	5	7	6	6	6	7	6	7	1521
														1522
1 799	776	1 605	696	9	7	9	9	9	8	9	8	8	8	1531
5 535	2 435	5 088	2 273	2	2	2	2	3	2	3	3	3	3	154
10 707	4 564	10 323	4 409	1	1	1	1	1	2	1	1	1	1	1541
														1542
														16
10 159	4 889	7 629	3 465	1	1	2	2	1	1	1	1	1	1	1611
														162
2 202	1 070	1 652	776	1	(W)	1	1	1	1	(W)	(W)	(W)	(W)	1622
8 596	4 003	8 043	3 744	1	1	1	1	1	1	1	1	1	1	1623
11 895	5 818	12 000	5 858	1	1	1	(W)	1	1	1	1	1	1	1629
														17
21 730	9 022	21 293	8 861	1	1	1	1	1	1	1	1	1	1	1711
7 600	2 651	6 116	2 149	3	3	3	4	4	4	4	4	3	4	1721
13 157	5 541	12 384	5 339	1	1	1	2	1	2	1	2	1	2	1731
														174
7 457	2 764	6 983	2 483	3	3	3	4	4	3	4	3	4	4	1741
7 068	2 957	6 715	2 889	2	2	2	2	2	2	2	3	2	2	1742
692	309	659	267	9	9	9	12	9	11	10	11	9	12	1743
														175
5 592	2 184	5 439	2 053	4	4	4	6	4	5	4	5	4	5	1751
1 163	497	1 122	485	8	9	8	10	8	11	8	11	9	11	1752
9 307	3 592	8 937	3 357	2	2	2	3	3	3	2	3	3	3	1761
6 389	2 476	5 077	1 867	4	4	5	6	4	5	5	5	5	5	1771
423	203	398	181	12	13	12	17	12	17	12	16	12	16	1781
														179
4 436	1 605	3 932	1 500	2	1	2	2	3	2	2	2	2	2	1791
2 039	834	1 923	813	3	3	3	4	3	4	3	4	3	4	1793
6 710	2 768	5 862	2 227	3	3	4	5	3	4	4	4	4	4	1794
520	217	416	178	9	7	8	6	7	6	10	5	12	15	1795
4 673	2 026	5 175	2 172	2	2	1	2	2	3	2	3	3	2	1796
3 020	1 180	2 691	1 068	5	5	5	6	6	7	5	7	5	7	1799
138	53	143	54	12	15	12	23	12	21	11	22	11	22	6552

**Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	<b>Construction industries and subdividers and developers -----</b>	<b>9.4</b>	<b>19.5</b>	<b>1.6</b>	<b>87.6</b>	<b>.277</b>	<b>.300</b>	<b>.216</b>	<b>.015</b>	<b>.014</b>
15,16,17	<b>Construction industries:</b>									
15	<b>General building contractors and operative builders:</b>									
152	General contractors, residential buildings:									
1521	Single-family houses -----	4.0	10.9	1.5	71.0	.187	.373	.254	.015	.008
1522	Other residential buildings -----	6.6	18.2	1.7	150.0	.151	.185	.513	.009	.005
1531	Operative builders -----	8.4	13.7	1.7	148.5	.154	.295	.368	.011	.004
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses -----	17.3	22.0	1.8	154.9	.181	.208	.457	.011	.010
1542	Nonresidential buildings, n.e.c. -----	15.9	20.3	1.7	184.9	.143	.151	.587	.008	.005
16	<b>Heavy construction general contractors:</b>									
1611	Highway and street construction -----	20.7	20.4	1.8	107.5	.226	.364	.190	.044	.035
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction -----	43.9	22.3	1.9	117.8	.226	.253	.290	.018	.020
1623	Water, sewer, and utility lines -----	32.3	20.6	1.9	72.1	.337	.238	.111	.039	.032
1629	Heavy construction, n.e.c. -----	94.1	29.0	2.0	110.3	.375	.297	.187	.009	.015
17	<b>Special trade contractors:</b>									
1711	Plumbing, heating, and air conditioning -----	9.5	20.6	1.6	86.4	.307	.367	.123	.013	.012
1721	Painting, paper hanging, and decorating -----	6.2	15.4	1.3	41.3	.421	.215	.042	.020	.013
1731	Electrical work -----	11.4	22.7	1.7	86.9	.338	.445	.026	.010	.008
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework -----	6.3	14.8	1.4	43.1	.373	.302	.056	.015	.010
1742	Plastering, drywall, and insulation work -----	14.5	21.3	1.7	63.3	.401	.352	.030	.012	.009
1743	Terrazzo, tile, marble, and mosaic work -----	6.0	17.0	1.7	63.6	.311	.401	.026	.010	.003
175	Carpentering and flooring:									
1751	Carpentering -----	3.6	11.3	1.5	45.9	.279	.360	.131	.013	.008
1752	Floor laying and other floorwork -----	4.3	14.9	1.6	67.1	.273	.483	.048	.013	.009
1761	Roofing and sheet metal work -----	8.1	17.2	1.5	64.8	.327	.432	.033	.014	.010
1771	Concrete work -----	5.8	13.9	1.4	60.9	.262	.382	.059	.017	.019
1781	Water well drilling -----	4.8	15.1	1.8	70.1	.291	.425	.015	.036	.006
179	Miscellaneous special trade contractors:									
1791	Structural steel erection -----	45.3	24.0	1.4	75.7	.357	.165	.176	.006	.021
1793	Glass and glazing work -----	15.8	23.5	1.6	78.3	.362	.246	(D)	.012	.007
1794	Excavating and foundation work -----	7.7	15.5	1.5	66.3	.277	.258	.120	.039	.034
1795	Wrecking and demolition work -----	10.7	18.1	1.6	63.3	.337	.245	.179	.016	.092
1796	Installing building equipment, n.e.c. -----	29.1	24.6	1.7	84.3	.362	.164	.081	.006	.015
1799	Special trade contractors, n.e.c. -----	5.2	15.1	1.5	71.8	.268	.380	(D)	.016	.018
6552	<b>Subdividers and developers, n.e.c. -----</b>	<b>4.2</b>	<b>11.0</b>	<b>1.6</b>	<b>156.3</b>	<b>.264</b>	<b>.201</b>	<b>.230</b>	<b>.016</b>	<b>.006</b>

**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added‡	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	<b>PHILADELPHIA-WILMINGTON-TRENTON, PA.-DEL.-N.J.-MD., SCSA</b>											
	Construction industries and subdividers and developers	9 537	99 394	2 011 096	7 787 014	5 823 418	3 808 173	2 279 790	1 963 596	107 045	1	1
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	1 369	6 139	71 095	400 183	286 793	167 819	128 933	113 390	4 490	5	5
1522	Other residential buildings	118	627	9 543	56 444	27 437	15 763	12 070	29 007	328	7	7
1531	Operative builders	218	1 628	25 995	202 010	113 802	78 013	37 983	88 208	2 274	6	6
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	188	2 637	53 796	280 232	143 215	82 685	62 689	137 017	2 651	5	4
1542	Nonresidential buildings, n.e.c.	388	6 527	143 526	1 170 646	397 777	280 970	124 106	772 869	6 184	2	2
16	Heavy construction general contractors:											
1611	Highway and street construction	188	4 576	92 221	443 144	356 762	239 758	178 872	86 383	18 749	2	1
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	9	225	5 386	18 264	(D)	9 700	3 142	(D)	167	3	-
1623	Water, sewer, and utility lines	125	5 080	122 991	337 957	301 815	234 307	69 599	36 142	11 293	1	1
1629	Heavy construction, n.e.c.	100	10 513	307 868	1 414 406	990 043	604 457	(D)	424 363	7 639	1	(W)
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	1 497	14 362	311 078	912 651	799 927	489 102	318 392	112 724	10 107	2	2
1721	Painting, paper hanging, and decorating	543	4 327	72 897	163 059	154 914	120 690	34 820	8 145	3 420	4	3
1731	Electrical work	842	8 341	181 638	548 923	533 571	288 260	249 192	15 352	5 681	3	2
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	466	3 629	59 794	159 294	154 959	105 377	49 695	4 335	2 214	4	4
1742	Plastering, drywall, and insulation work	288	3 529	70 021	191 674	181 915	121 997	(D)	9 759	1 914	4	3
1743	Terrazzo, tile, marble, and mosaic work	81	442	7 395	23 415	22 932	13 960	9 121	483	*107	12	9
175	Carpentering and flooring:											
1751	Carpentering	789	3 674	44 680	148 231	130 530	82 229	49 616	17 701	1 234	5	4
1752	Floor laying and other floorwork	164	884	13 913	50 123	47 918	24 950	24 339	2 205	811	9	9
1761	Roofing and sheet metal work	660	5 669	98 633	295 777	283 404	179 580	108 447	12 373	5 002	4	3
1771	Concrete work	471	3 817	59 407	207 222	189 876	126 760	66 764	17 346	2 244	6	4
1781	Water well drilling	30	209	3 821	(D)	(D)	8 417	5 639	(D)	220	13	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	87	1 725	38 989	97 486	85 086	73 821	12 870	12 400	1 463	5	4
1793	Glass and glazing work	65	759	12 892	38 237	37 339	21 985	17 928	898	515	6	8
1794	Excavating and foundation work	343	3 200	50 612	189 655	155 374	113 143	45 470	34 281	6 852	4	4
1795	Wrecking and demolition work	24	367	7 622	23 859	21 920	23 140	2 714	1 939	497	3	3
1796	Installing building equipment, n.e.c.	109	4 049	104 623	272 737	264 762	223 073	45 099	7 975	1 299	2	1
1799	Special trade contractors, n.e.c.	340	2 321	38 225	120 355	112 446	76 248	41 507	7 910	2 403	6	5
6552	Subdividers and developers, n.e.c.	41	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
	<b>ALLENTOWN-BETHLEHEM-EASTON, PA.-N.J., SMSA</b>											
	Construction industries and subdividers and developers	1 352	9 174	146 821	576 018	450 704	283 667	180 298	125 314	10 944	3	3
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	219	814	10 535	60 240	38 574	17 192	22 219	21 666	1 163	11	12
1522	Other residential buildings	18	45	606	*5 130	1 933	823	1 129	*3 197	(D)	31	28
1531	Operative builders	23	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(S)	-	-
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	45	484	10 532	82 936	31 503	19 435	12 095	51 433	154	9	10
1542	Nonresidential buildings, n.e.c.	34	291	4 822	24 074	16 362	8 109	8 331	7 712	106	15	19



**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	<b>ALLENTOWN-BETHLEHEM-EASTON, PA.-N.J., SMSA—Con.</b>											
15,16,17	<b>Construction industries—Con.</b>											
16	<b>Heavy construction general contractors:</b>											
1611	Highway and street construction -----	39	311	4 813	20 213	18 089	13 183	(D)	2 124	*680	18	11
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1623	Water, sewer, and utility lines -----	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1629	Heavy construction, n.e.c. -----	5	87	1 601	5 362	(D)	2 916	(D)	(D)	(D)	(W)	-
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air conditioning-----	175	1 087	20 264	71 155	63 140	37 576	26 281	8 016	813	8	7
1721	Painting, paper hanging, and decorating-----	95	344	4 472	9 854	9 376	7 247	2 402	*478	*167	21	18
1731	Electrical work -----	100	835	17 590	41 497	40 675	23 635	17 872	822	768	8	7
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework-----	68	279	3 451	8 270	8 101	5 583	2 518	169	96	16	12
1742	Plastering, drywall, and insulation work -----	30	724	15 859	40 291	37 911	24 037	15 147	2 381	426	9	6
1743	Terrazzo, tile, marble, and mosaic work -----	*13	46	781	2 175	2 164	1 409	756	*11	(D)	22	15
175	Carpentering and flooring:											
1751	Carpentering -----	122	350	3 643	13 811	12 105	7 865	4 362	1 706	*341	20	18
1752	Floor laying and other floorwork-----	17	*107	*1 333	4 159	(D)	2 152	2 524	(D)	35	42	-
1761	Roofing and sheet metal work -----	108	752	8 508	30 627	29 479	18 045	14 035	1 148	415	13	15
1771	Concrete work -----	94	458	5 135	24 716	22 601	12 804	9 865	2 115	513	15	13
1781	Water well drilling -----	5	*23	*383	*1 759	*1 749	1 121	*628	*11	-	41	44
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	14	212	4 959	9 704	9 209	7 763	(D)	495	174	15	11
1793	Glass and glazing work -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1794	Excavating and foundation work-----	77	414	6 282	19 123	17 295	11 995	5 391	1 829	1 194	15	15
1795	Wrecking and demolition work -----	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c.-----	9	93	2 140	6 842	(D)	4 966	1 711	(D)	*135	19	-
1799	Special trade contractors, n.e.c.-----	30	168	2 388	7 687	6 944	4 303	2 700	743	*270	27	29
6552	Subdividers and developers, n.e.c. ---	8	*11	*261	*676	*487	*384	*190	*189	(D)	50	65
	<b>NORTHEAST PENNSYLVANIA SMSA</b>											
	<b>Construction industries and subdividers and developers</b>	1 225	6 791	101 720	404 192	312 606	195 121	128 460	91 587	8 725	4	3
15,16,17	<b>Construction industries:</b>											
15	<b>General building contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses -----	274	983	10 569	56 948	44 951	24 380	22 708	11 997	899	14	12
1522	Other residential buildings -----	14	127	2 879	17 888	8 539	5 603	2 997	9 349	*72	18	17
1531	Operative builders -----	28	*121	*1 663	5 161	3 574	2 097	1 581	1 587	*243	45	40
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses -----	21	168	2 278	9 381	6 077	4 791	2 141	3 304	*50	27	29
1542	Nonresidential buildings, n.e.c. -----	45	522	10 453	70 375	25 339	16 811	8 832	45 036	505	9	8
16	<b>Heavy construction general contractors:</b>											
1611	Highway and street construction -----	17	295	5 140	17 339	14 958	13 199	(D)	2 381	1 995	2	4
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1623	Water, sewer, and utility lines -----	14	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1629	Heavy construction, n.e.c. -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-

**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	<b>NORTHEAST PENNSYLVANIA SMSA—Con.</b>											
15,16, 17	<b>Construction Industries—Con.</b>											
	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air conditioning .....	166	965	15 538	51 220	44 334	25 610	19 618	6 886	299	9	7
1721	Painting, paper hanging, and decorating .....	55	212	2 978	8 340	8 176	6 130	2 046	164	86	15	17
1731	Electrical work .....	82	623	11 327	36 041	35 244	22 455	12 934	798	821	11	13
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework .....	78	239	2 595	7 236	6 981	4 588	2 397	255	*135	23	20
1742	Plastering, drywall, and insulation work .....	36	289	4 806	13 210	12 751	7 678	5 095	459	*188	24	19
1743	Terrazzo, tile, marble, and mosaic work .....	*5	*32	360	894	894	521	(D)	-	-	44	30
175	Carpentering and flooring:											
1751	Carpentering .....	117	349	3 598	15 989	13 102	7 187	5 969	2 887	*210	18	13
1752	Floor laying and other floorwork .....	*6	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1761	Roofing and sheet metal work .....	72	412	5 780	16 790	16 317	9 810	6 950	473	(D)	15	14
1771	Concrete work .....	63	381	4 153	15 431	14 854	7 726	7 137	577	511	20	15
1781	Water well drilling .....	*8	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1793	Glass and glazing work .....	*12	86	1 967	6 392	6 355	3 130	3 320	*37	(D)	6	7
1794	Excavating and foundation work .....	44	199	2 576	10 056	9 296	6 534	2 804	760	*332	22	22
1795	Wrecking and demolition work .....	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c. ....	7	82	1 468	4 174	4 010	2 924	1 086	164	(D)	(W)	(W)
1799	Special trade contractors, n.e.c. ....	41	140	1 732	5 082	4 744	3 139	1 827	338	*157	32	30
6552	Subdividers and developers, n.e.c. ....	16	134	1 041	7 693	6 751	5 795	(D)	942	(D)	33	13
	<b>PHILADELPHIA, PA.-N.J., SMSA</b>											
	<b>Construction industries and subdividers and developers..</b>	8 050	83 251	1 694 659	6 213 634	4 725 197	3 169 020	1 790 711	1 488 437	82 350	1	1
15,16, 17	<b>Construction Industries:</b>											
15	<b>General building contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	1 128	5 150	59 777	331 302	235 741	133 733	111 427	95 561	3 972	6	4
1522	Other residential buildings .....	103	475	7 587	45 295	21 475	12 393	9 337	23 820	285	9	9
1531	Operative builders .....	189	1 307	19 373	168 109	95 619	66 518	31 018	72 490	1 905	8	7
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	162	2 063	43 273	219 767	113 238	66 584	48 213	106 529	2 178	7	5
1542	Nonresidential buildings, n.e.c. ....	323	5 525	124 450	1 015 348	347 315	248 783	105 529	668 033	5 556	3	2
16	<b>Heavy construction general contractors:</b>											
1611	Highway and street construction .....	138	3 311	68 469	340 349	271 617	170 920	139 067	68 733	15 463	2	1
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	5	172	4 276	(D)	(D)	(D)	2 469	(D)	104	(W)	-
1623	Water, sewer, and utility lines .....	108	4 438	111 230	305 207	271 747	210 520	63 306	33 460	8 683	1	1
1629	Heavy construction, n.e.c. ....	82	9 241	270 838	807 360	617 739	477 104	(D)	189 621	6 631	1	1
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air conditioning .....	1 275	11 000	231 720	754 756	655 425	375 197	286 509	99 331	8 869	3	2
1721	Painting, paper hanging, and decorating .....	442	3 913	66 962	146 384	138 845	108 436	30 851	7 539	3 133	4	3
1731	Electrical work .....	721	7 098	156 770	491 044	476 869	252 905	227 218	14 175	5 030	3	2
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework .....	394	3 149	53 854	140 892	137 760	94 132	43 728	3 132	1 874	4	3
1742	Plastering, drywall, and insulation work .....	248	3 003	60 404	164 710	156 846	106 458	64 141	7 864	1 410	5	4
1743	Terrazzo, tile, marble, and mosaic work .....	68	346	5 541	17 968	17 696	10 842	6 965	272	*75	16	11
175	Carpentering and flooring:											
1751	Carpentering .....	643	3 149	38 070	125 097	110 496	69 523	42 267	14 601	925	4	5
1752	Floor laying and other floorwork .....	154	821	12 868	47 147	44 957	22 997	23 165	2 190	574	9	10
1761	Roofing and sheet metal work .....	579	4 618	79 808	237 018	226 288	144 881	85 812	10 730	3 313	4	3



**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	<b>PHILADELPHIA, PA.-N.J., SMSA—Con.</b>											
15,16,17	<b>Construction industries—Con.</b>											
	<b>Special trade contractors—Con.</b>											
1771	Concrete work .....	414	3 129	47 423	164 105	154 916	103 588	54 966	9 189	1 743	6	5
1781	Water well drilling .....	23	(D)	3 416	(D)	(D)	(D)	5 002	(D)	(D)	—	—
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	79	1 581	34 745	79 306	76 487	65 602	12 252	2 819	847	5	4
1793	Glass and glazing work .....	58	713	12 189	36 483	35 603	21 023	16 895	880	492	6	9
1794	Excavating and foundation work .....	282	2 741	42 907	161 566	129 725	92 615	40 229	31 841	5 055	5	5
1795	Wrecking and demolition work .....	17	316	6 888	21 805	19 922	21 380	2 410	1 883	386	(W)	(W)
1796	Installing building equipment, n.e.c. ....	88	3 697	97 035	253 795	247 471	209 245	(D)	6 324	1 262	2	1
1799	Special trade contractors, n.e.c. ....	292	1 987	32 446	104 092	96 712	66 421	35 027	7 381	2 100	7	6
6552	Subdividers and developers, n.e.c. ....	38	(D)	(S)	(S)	(S)	(S)	(S)	(S)	(D)	—	—
	<b>PITTSBURGH SMSA</b>											
	<b>Construction industries and subdividers and developers.</b>	4 032	55 290	1 233 409	4 061 046	3 262 454	2 199 437	1 173 696	798 593	59 834	1	1
15,16,17	<b>Construction industries:</b>											
15	<b>General building contractors and operative builders:</b>											
152	General contractors, residential buildings:											
1521	Single-family houses .....	696	2 735	32 592	152 771	121 174	66 854	55 996	31 597	1 627	6	7
1522	Other residential buildings .....	79	689	13 664	98 092	45 955	31 154	15 546	52 137	960	10	7
1531	Operative builders .....	37	415	6 567	65 502	35 114	12 953	22 390	30 388	292	11	7
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	50	1 856	49 595	235 153	142 371	99 250	43 518	92 782	(D)	3	3
1542	Nonresidential buildings, n.e.c. ....	158	2 991	65 132	404 086	196 416	130 911	66 943	207 670	3 864	3	3
16	<b>Heavy construction general contractors:</b>											
1611	Highway and street construction .....	89	2 770	61 277	232 671	173 998	118 138	74 290	58 673	8 640	3	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	17	520	12 185	55 508	38 565	22 590	16 208	16 943	796	3	1
1623	Water, sewer, and utility lines .....	81	2 107	43 880	136 232	123 026	89 209	35 672	13 206	4 477	4	4
1629	Heavy construction, n.e.c. ....	51	5 974	181 718	416 913	359 198	281 461	125 906	57 715	6 010	1	1
17	<b>Special trade contractors:</b>											
1711	Plumbing, heating, and air conditioning .....	557	9 873	221 119	704 432	613 031	384 912	241 659	91 401	9 266	2	1
1721	Painting, paper hanging, and decorating .....	322	1 618	25 976	65 187	63 162	50 981	12 409	2 026	1 343	6	7
1731	Electrical work .....	235	5 413	139 885	385 302	377 643	220 231	160 575	7 660	3 689	3	1
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework .....	232	1 665	28 609	77 572	66 878	50 025	(D)	10 695	1 214	6	4
1742	Plastering, drywall, and insulation work .....	113	1 943	42 860	100 637	98 625	69 288	(D)	2 012	1 477	4	2
1743	Terrazzo, tile, marble, and mosaic work .....	24	140	2 122	6 163	6 018	3 676	2 390	145	*227	23	17
175	Carpentering and flooring:											
1751	Carpentering .....	286	1 158	15 809	48 373	42 906	27 211	16 903	5 467	925	9	10
1752	Floor laying and other floorwork .....	78	331	5 345	16 863	16 304	9 814	6 638	559	252	17	17
1761	Roofing and sheet metal work .....	243	3 081	65 588	188 721	184 483	91 945	94 168	4 238	2 526	3	3
1771	Concrete work .....	232	1 037	12 510	45 333	43 175	25 527	18 307	2 159	1 255	14	10
1781	Water well drilling .....	16	137	2 562	7 058	(D)	4 430	2 862	(D)	(S)	18	—
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	15	2 837	74 055	(D)	178 204	(D)	(D)	(D)	604	1	(W)
1793	Glass and glazing work .....	35	1 230	90 606	(D)	(D)	(D)	7 763	(D)	756	4	—
1794	Excavating and foundation work .....	156	1 579	29 989	96 263	89 249	67 023	22 951	7 015	3 716	6	5
1795	Wrecking and demolition work .....	14	136	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(W)	—
1796	Installing building equipment, n.e.c. ....	64	1 956	45 774	128 846	(D)	94 323	15 714	(D)	671	4	—
1799	Special trade contractors, n.e.c. ....	137	981	15 751	64 274	54 858	32 068	24 182	9 416	859	9	10
6552	Subdividers and developers, n.e.c. ....	19	121	1 143	3 376	2 412	2 026	895	964	16	12	13



# APPENDIX A.

## Explanation of Terms

**Construction**—Is composed of three broad categories: (1) new construction, (2) additions and alterations, and (3) maintenance and repair. "New construction" includes the complete, original erection of structures and essential service facilities and the initial installation of integral equipment such as elevators and escalators. "Additions and alterations" includes construction activity making structural changes to existing facilities. "Maintenance and repair" includes the restoration of existing buildings or other structures or their service facilities, including the replacement of integral parts. Repainting, repapering, reroofing, etc., are also included.

Construction includes:

- special trade contracting such as electrical work, painting, and carpentering on mobile structures (trailers, mobile homes, and ships).
- support activities by construction contractors on mineral properties, except the following: sinking mine shafts; tunneling and shoring mines; erection, repairing and dismantling of drilling rigs; and building well foundations.
- the physical development of land for purposes other than agriculture.
- demolition of existing structures.

Construction does not include:

- shipbuilding.
- manufacturing of other mobile structures.

**Number of establishments in business during year**—Includes all establishments that were in business at any time during the year. It covers all full-year and part-year operations. Construction establishments which were inactive or idle for the entire year were not included.

**Number of establishments in business at end of year**—Includes all full-year or part-year establishments that were in business at the end of 1982.

**Proprietors and working partners**—These data were not collected on the census report forms. The data shown are based on crediting each sole proprietorship establishment with one active proprietor and each partnership establishment with two working partners. The partnership factor was based on information received during a large-scale test conducted in prior years.

**All employees**—Comprised all full-time and part-time employees on the payrolls of construction establishments who worked or received pay for any part of the pay period including the 12th of March, May, August, and November. Included are all persons on paid-sick leave, paid holidays, and paid vacations during these pay periods. Officers of corporations are included, but proprietors and partners of unincorporated firms are excluded.

Total employment is calculated for each establishment and is derived by summing the construction workers data reported for March, May, August, and November, dividing by 4 and adding to it the number of other employees reported for March.

This approach was designed to simplify the questionnaire format and the reporting requirements of respondents. The industry average of these four selected pay periods approximates very closely the average employment for the year that would be obtained by using pay periods in all 12 months for almost all of the construction industries.

**Construction workers**—Includes all workers up through the working supervisor level directly engaged in construction operations, such as painters, carpenters, plumbers, and electricians. Included are journeymen, mechanics, apprentices, laborers, truck drivers and helpers, equipment operators, and on-site record keepers and security guards. Supervisory employees above the working supervisor level are excluded from this category but are included in the "other employees" category.

**Other employees**—Includes employees in executive, purchasing, accounting, personnel, professional, technical activities, and routine office functions. Also included are supervisory employees above the working supervisor level.

**Construction worker hours**—Includes the total number of hours worked by construction workers. Construction worker hours were collected for each of the four quarters of 1982 and are published in the detailed statistics tables.

**Payroll**—Includes the gross earnings paid in the calendar year 1982 to all employees on the payroll of construction establishments. It includes all forms of compensation, such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick-leave pay, prior to such deductions as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. The total includes salaries of officers of these establishments, if a corporation, but excludes payments to the proprietor or partners, if an unincorporated concern.

Payroll data were collected and tabulated for the employment categories described above and separately for the first quarter of 1982.

Payroll data for auxiliary establishments of multiestablishment companies are not included in these totals. Selected data for these types of establishments are found in the industry summary report and the 1982 Enterprise Statistics reports.

**Employer costs for fringe benefits**—Represents expenditures made by the employer during 1982 for legally required and voluntary fringe benefit programs for employees. These include employers' Social Security contributions, unemployment compensation, workers' compensation, State temporary disability payments, union negotiated benefits, life insurance premiums, pension plans, insurance premiums on hospital and medical plans, and welfare plans.

**All business receipts**—Includes all receipts from general contracting, special trade contracting or subcontracting, and land development and improvement work. It also includes all receipts from the sale of land (not recorded as fixed assets of the reporting establishments) and buildings built for sale. All other receipts from the reporting establishment's other business operations (rental of equipment to others, wholesale or retail sales, etc.) are also included.

Money obtained during the year in the form of construction loans is not treated as receipts, nor is money realized from the sale or other disposition of the establishment's fixed assets.

Also excluded are receipts from operations in foreign countries and nonoperating income such as interest and dividends.

All business receipts are broken down in the following detail:

**Total construction receipts**—Includes all receipts during 1982 for construction work performed by general contractors, special trades contractors or subcontractors, and for land development and improvement work. Included are receipts for maintenance and repair construction work, as well as for new construction and additions and alterations. Also included is the value of any construction work done by the reporting establishments for themselves.

Builders were instructed to include in this item their 1982 receipts from the sale of buildings and other structures built for sale, excluding from these receipts the value of the land (see "land receipts" below) but including the value of any improvements an establishment made to the land. Builders who traded a new home or other building for an existing one were to include the estimated value of the trade-in.

Also included in construction receipts were fees received as sponsors of joint ventures and fees received as agents for owners (for construction work).

Excluded were receipts for separately definable architectural and engineering work done by the reporting establishment for others and receipts from the rental of equipment to others (see "other business receipts" below).

Establishments engaged in the sale and installation of such construction components as plumbing, heating, and central air conditioning supplies and equipment; lumber and building materials; paint, glass, and wallpaper; and electrical and wiring supplies for construction purposes were instructed to include as construction receipts both the receipts for the installation and the receipts for the value (selling price) of the items installed. (Receipts for the selling price of items sold but not installed were to be included in "other business receipts.")

**Receipts for work subcontracted in from others**—Covers receipts during 1982 for work done by reporting establishments for other construction contractors or builders. Establishments were asked to report the approximate percent of total construction receipts accounted for by such work, and the percentages reported were applied to the reported construction receipts to develop a value for this item.

**Land receipts**—Includes receipts from the sale of land, whether held for sale or sold in connection with the sale of houses and other structures. It excludes the value of any improvements made to the land prior to the sale. (That value was to be included in construction receipts.)

**Other business receipts**—Includes business receipts not reported as construction receipts or land receipts. The item includes business receipts from retail and wholesale trade, rental of equipment, manufacturing, transportation, legal service, insurance, finance, rental of property and other real estate operations, and other nonconstruction activities. Receipts for separately definable architectural and engineering work for others are also included here.

**Net construction receipts**—Derived for each establishment by subtracting the payments made for construction work subcontracted to others from the total construction receipts. (For a further explanation, see "Duplication of Receipts" section in the Introduction.)

**Value added**—Derived for each establishment, value added is equal to all business receipts, less payments for construction work subcontracted to others and payments for materials, components, supplies, and fuels. For SIC 6552 and SIC 1531, for which land receipts are significant, value added is modified to be equal to all business receipts less land receipts; payments for construction work subcontracted to others; and payments for materials, components, supplies, and fuels. (For a further explanation, see "Duplication of Receipts" section in the Introduction.)

**Selected payments**—Represents the total of payments for materials, components, and supplies; payments for construction work subcontracted to others; and payments for selected power, fuels, and lubricants. Capital expenditures and rental payments for machinery, equipment, and structures are shown elsewhere.

Payments for materials, components, and supplies include:

- total payments made by the reporting establishments during 1982 for the purchase of all materials, components, and supplies, except fuels, used for construction. (Supplies include expendable tools charged to current accounts.)
- freight and other direct charges incurred by the reporting establishment in acquiring the materials, components, and supplies are also included, as are the value of materials, components, and supplies obtained from other establishments of the respondent's company. Payments represent the amount paid after discounts.
- payments for materials, components, and supplies used by the reporting establishments in the construction of new plants or equipment for themselves, which are chargeable to their fixed assets accounts, are included in this item as are payments for materials bought and resold to others.
- payments made for direct purchases of materials, components, and supplies even though the purchases were subsequently provided to subcontractors for their use.



Payments for materials, components, and supplies include only payments for physical goods and represent the amount paid after discounts.

Excluded from this item are:

- services such as advertising, telephone, telegraph and cable, insurance, developmental and research services of engineering, management, marketing, and other professional consultants, unless their costs are included in the prices paid for materials.
- overhead items such as depreciation charges against plant and equipment, rent and rental allowances, interest payments, royalties, patent fees, payments for land, rental of construction machinery or equipment, and construction work let out to other construction contractors.
- materials furnished to contractors by the owners of projects.

Payments for construction work subcontracted to others include:

- all payments made during 1982 for construction work subcontracted out to other construction contractors. General contractors were instructed to include payments to subcontractors. Builders were instructed to include payments made to general contractors and also payments made directly to subcontractors.
- special trade contractors were instructed to include payments made to other subcontractors. The payments made by the reporting establishment for its purchases of materials, components, and supplies are not included here, even if they were provided to a subcontractor for his use. Such purchases are reported under a separate category, "payments for materials, components, and supplies." However, if payments to subcontractors covered materials purchased directly by the subcontractors, then the total of such payments (including material charges) should have been reported in this item.

Excluded from this item are:

- payments made for the rental of construction machinery or equipment.

Payments for selected power, fuels, and lubricants include:

- payments made for fuels, lubricants, and electric energy purchased during the year from other companies, or received from other establishments of the parent company.
- payments made for natural and manufactured gas, fuel oil, coal and coke products, etc.

Dollar amounts include freight and other direct charges.

**Storage capacity for fuels**—Data for storage capacity for fuels were collected from heavy construction contractors, other than building construction contractors. Data are published in the detailed statistics tables for the heavy construction industries, i.e., SIC 1611, SIC 1622, SIC 1623, and SIC 1629.

**Rental payments for machinery, equipment, and structures**—Includes all payments made during 1982 for renting or leasing construction machinery and equipment, transportation equipment, production equipment, office equipment, furniture and fixtures, scaffolding, office space, and buildings. It excludes payments for the rental of land. It also excludes payments made under agreements which, in effect, are conditional sales contracts and which, as a result, are capitalized. Such payments are included in "capital expenditures." It also excludes payments made under agreements which, in effect, are true subcontract construction arrangements; such payments are included in payments for "construction work subcontracted to others."

**Selected purchased services**—Includes all payments made during 1982 for communication services purchased from other companies or from other establishments of the parent company. It also includes the cost of all repairs made to structures and equipment by outside firms, or from other establishments of the parent companies. It includes only the cost of that repair necessary to maintain property and equipment. It excludes the cost of improvements that increases the value of property, or the cost of adapting it for another use.

**Fixed assets and depreciation**—Refers to the value of all fixed tangible assets such as buildings and other structures (offices, shops, etc.); stationary machinery (generators, shop equipment, etc.); mobile machinery (tractors, trucks, etc.); and other equipment (office furniture and fixtures, etc.). Not included are such items as current assets, depletable assets, intangible assets, and nondepreciable assets.

Data on fixed assets and depreciation were collected separately for: (1) structures, additions, and related facilities; (2) machinery and equipment; and (3) the total of both.

Respondents were asked to report the gross book value-acquisition cost (original cost or other basis) at the beginning and at the end of 1982. They were also asked to report capitalized expenditures, depreciation charges, and the gross value of assets sold, retired, scrapped, destroyed, etc., during 1982.

**Capital expenditures**—Refers to all costs actually incurred during 1982 which were or would be chargeable to the fixed assets accounts of the reporting establishments and which were of the type for which depreciation accounts are ordinarily maintained. These expenditures cover the acquisition, the construction, and the major alteration of the reporting establishment's own buildings and other structures, whether purchased, constructed under contract, or constructed by the reporting establishment's own forces; and the acquisition of machinery and equipment. Included are payments made under agreements which, in effect, are conditional sales contracts and which, as a result, are capitalized.

Respondents were instructed not to include any expenditures actually made prior to, or after 1982. For example, if they began construction of a building for an establishment's own use before 1982 and did not complete it until after 1982, they were to report only those costs actually incurred during 1982.

If capital expenditures were not recorded directly at the establishment level but handled centrally at the company or division level, respondents were requested to report appropriate estimates for the individual establishments.



- **New structures and related facilities**—Includes the total expenditures during 1982 for new buildings and structures, major additions and alterations to buildings and structures, and other facilities for the reporting establishment's use (such as roads, docks, tracks, parking lots, and fences). It excludes expenditures for land.
- **New machinery and equipment**—Includes expenditures for new machinery and new equipment. This item also includes capitalized repairs and improvements to used machinery and equipment.
- **New automobiles and trucks intended primarily for highway use**—Includes expenditures for new automobiles and trucks and capitalized repairs and improvements to used automobiles and trucks.
- **Used structures and related facilities**—Covers expenditures for used structures and related facilities acquired from others.
- **Used machinery and equipment**—Includes expenditures for used machinery and equipment acquired from others, including automobiles and trucks. Capitalized repairs and improvements to such equipment are reported as new machinery and equipment.

**Value of inventories**—Includes all of the materials and supplies that are owned and located within the United States. Excludes materials which are owned by others, but held by the reporting establishment.

Inventories of multiestablishment companies were instructed to be reported by the establishment that is responsible for the inventories even if these inventories were held at a separate location.

**Establishments building structures on their own land for sale (operative builders)** were instructed to include the value of materials on hand at the end of the year but not to include the structures not yet sold or under construction.

Land subdividers and developers were instructed to include the value of materials on hand at the end of the year, but not include land not yet sold or under construction.

**Ownership of construction projects**—This item shows the distribution of construction receipts by ownership of the project—Government owned or privately owned. This classification relates to the ownership of the projects or work undertaken and not to the financing. Government owned projects cover those owned by the Federal, Commonwealth, or local governments including public authorities and special districts.

**Types of construction**—This item provides data by the types of buildings, structures, or other facilities being constructed or worked on by construction establishments in 1982. Respondents were instructed that each building, structure, or other facility should be classified in terms of its function. For example, a restaurant building was to be classified in the restaurant category whether it was designed as a commercial restaurant building or an auxiliary unit of an educational institution. However, complex projects consisting of two or more types of buildings, structures, or other facilities are difficult to classify because sufficient information is seldom available. Therefore, respondents were told to classify complex projects by the major function of the total complex.

In addition, heavy construction contractors and special trade contractors were requested to report the percentage of construction receipts derived from new construction work, including additions and alterations, and from maintenance and repair work for each of these types. General building contractors were requested to report the percentage of construction receipts derived from new construction work, from additions and alterations, and from maintenance and repair work for each of these types. See the definition of "Construction" for the meanings of new construction, additions and alterations, and maintenance and repair.

#### Building construction:

- **Single-family houses, detached**—Includes all residential buildings constructed for one family use.
- **Single-family houses, attached (includes townhouses)**—Includes all residential buildings with two or more living quarters side by side, completely independent of one another, and separated by an unbroken party or lot line wall from ground to roof.
- **Apartment buildings with two or more apartments**—Includes high-rise, low-rise, or any structures other than containing two or more housing units.
- **Other residential buildings**—Includes hotels, motels, dormitories, and other nonhousekeeping residential structures.
- **Bank buildings and other financial institutions**—Includes all buildings which are used primarily to house banks or other financial institutions.
- **Warehouses**—Includes commercial warehouses, cold storage plants, grain elevators, miniwarehouses, and other storage buildings.
- **Farm buildings, nonresidential**—Includes nonresidential farm buildings such as barns, poultry houses, implement sheds, and farm silos.
- **Industrial buildings**—Includes all industrial buildings and plants which are used to house production and assembly activities. Note that heavy industrial facilities such as blast furnaces, petroleum refineries, chemical complexes, etc., are NOT included in this category, but are shown under nonbuilding construction.
- **Office buildings**—Includes all buildings which are used primarily for office space or for government administrative offices.
- **Other commercial buildings such as stores, restaurants, and automobile service stations**—Includes all buildings which are intended for use primarily in the wholesale, retail, and service trades. For example, complete shopping centers, department stores, drug stores, restaurants, public garages, and auto service stations.
- **Religious buildings**—Includes all buildings which are intended for religious services or functions, such as churches, synagogues, convents, monasteries, and seminaries.

- **Educational buildings**—Includes all buildings which are used directly in administrative and instructional activities, such as colleges, universities, elementary and secondary schools, correspondence, commercial, and trade schools. Libraries, museums and art galleries, as well as laboratories which are not a part of a manufacturing establishment, are also included.
- **Hospitals and institutional buildings**—Includes all buildings which are intended to provide hospital and institutional care, such as clinics, infirmaries, sanitariums, nursing homes, homes for the aged, and orphanages.
- **Amusement, social, and recreational buildings**—Includes buildings which are used primarily for entertainment, social, and recreational activities, such as sports arenas, theaters, music halls, golf and country club buildings, skating rinks, bowling alleys, and indoor swimming pools.
- **Other nonresidential buildings**—Includes buildings which are not classified elsewhere, such as fire stations, bus and air passenger terminals, hangars, etc.

Nonbuilding construction:

- **Outdoor swimming pools**—Includes wading pools and reflecting pools.
- **Elevated highways**—Includes roads, highways, and causeways built on structural supports.
- **Bridges**—Includes viaducts, trestles, and overpasses.
- **Tunnels**—Includes highway, pedestrian, and railway tunnels, etc.
- **Railroad construction**—Includes the construction of railroad beds, tracks, freight yards, and signal towers.
- **Subway construction**—Includes urban mass transit subway systems above or below ground.
- **Dam and reservoir construction**—Includes hydroelectric, water supply, and flood control dams and reservoirs.

- **Marine construction**—Includes dredging, underwater rock removal, breakwaters, navigational channels, jetties, and locks.
- **Harbor and port facilities**—Includes docks, piers, and wharves.
- **Conservation and development construction**—Includes land reclamation, irrigation projects, drainage canals, dikes, and levees.
- **Power and communication transmission lines, towers, and related facilities**—Includes telephone and telegraph lines, television and radio towers, electric light and power facilities.
- **Power plants, except nuclear**—Includes electric and steam generating plants.
- **Power plants, nuclear**—Includes atomic energy plants and nuclear reactors.
- **Sewers, sewerlines, and related facilities**—Includes sanitary and storm sewers and related facilities.
- **Sewage treatment plants**—Includes sewage treatment and waste disposal plants.
- **Water mains and related facilities**—Includes water supply systems and related facilities.
- **Water treatment plants**—Includes water filtration and water softening plants.
- **Pipeline construction other than sewer or waterlines**—Includes pipelines for the transmission of gas, petroleum products, and liquefied gases.
- **Blast furnaces, petroleum refineries, chemical complexes, etc.**—Includes coke ovens, and mining appurtenances such as tipples and washeries.
- **Other nonbuilding construction**—Includes all types of nonbuilding construction, not included elsewhere.

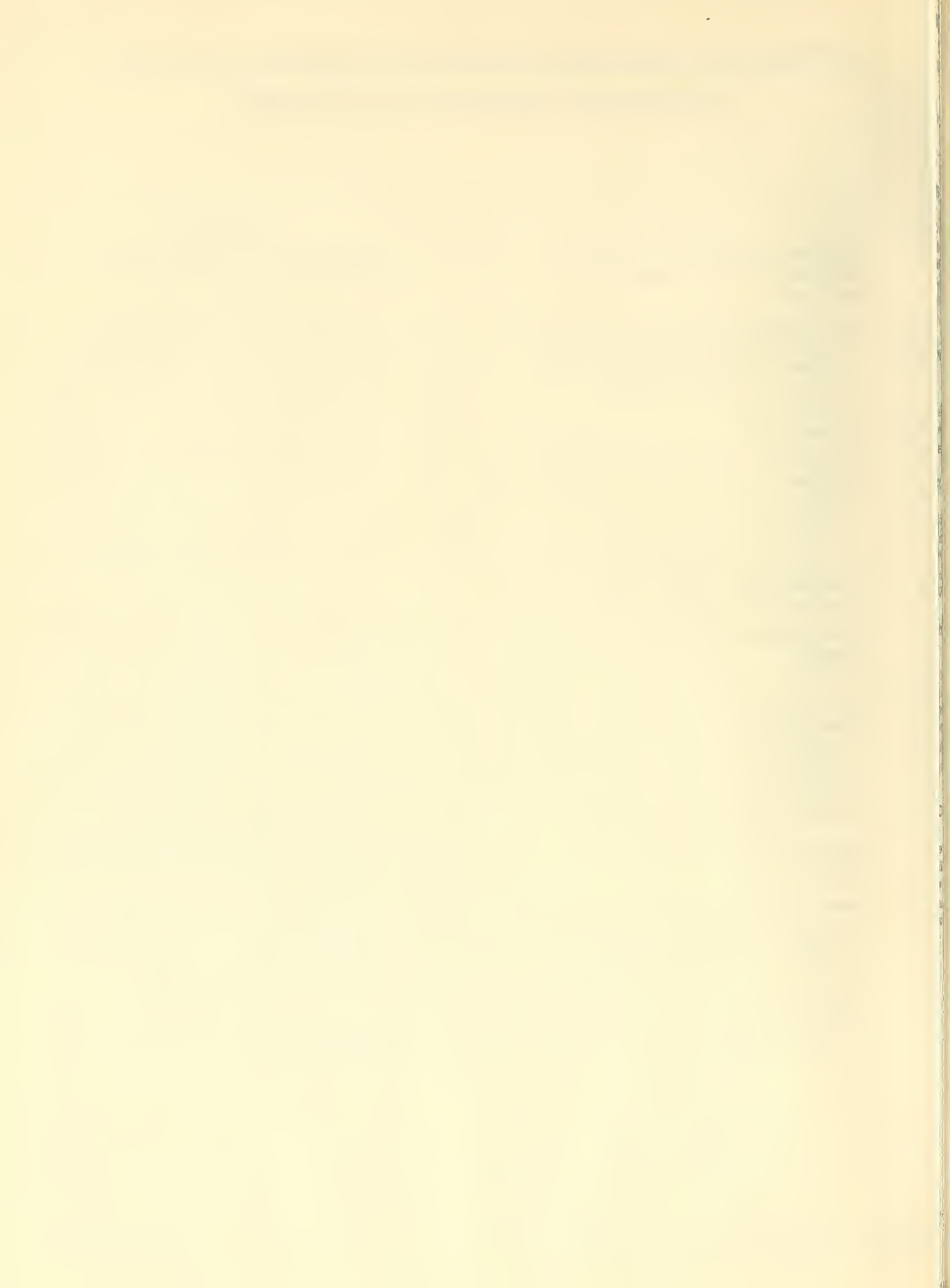
**Location of construction work**—This item includes data for each State in which respondents engaged in construction work and the extent (percent of construction receipts) of that work.





## APPENDIX B. Standard Industrial Classification Titles for Industry Groups and Industries

SIC code	Industry titles	SIC code	Industry titles
<b>15</b>	<b>BUILDING CONSTRUCTION—GENERAL CONTRACTORS AND OPERATIVE BUILDERS</b>	<b>17</b>	<b>CONSTRUCTION—SPECIAL TRADE CONTRACTORS—Con.</b>
<b>152</b>	<b>General Building Contractors—Residential Buildings</b>	<b>173</b>	<b>Electrical Work Special Trade Contractors</b>
<b>1521</b>	General Contractors—Single-Family Houses	<b>1731</b>	Electrical Work Special Trade Contractors
<b>1522</b>	General Contractors—Residential Buildings, Other Than Single-Family Houses	<b>174</b>	<b>Masonry, Stonework, Tile Setting, and Plastering Special Trade Contractors</b>
<b>153</b>	<b>Operative Builders</b>	<b>1741</b>	Masonry, Stone Setting, and Other Stonework Special Trade Contractors
<b>1531</b>	Operative Builders	<b>1742</b>	Plastering, Drywall, Acoustical and Insulation Work Special Trade Contractors
<b>154</b>	<b>General Building Contractors—Nonresidential Buildings</b>	<b>1743</b>	Terrazzo, Tile, Marble, and Mosaic Work Special Trade Contractors
<b>1541</b>	General Contractors—Industrial Buildings and Warehouses	<b>175</b>	<b>Carpentering and Flooring Special Trade Contractors</b>
<b>1542</b>	General Contractors—Nonresidential Buildings, Other Than Industrial Buildings and Warehouses	<b>1751</b>	Carpentering Special Trade Contractors
<b>16</b>	<b>CONSTRUCTION OTHER THAN BUILDING CONSTRUCTION—GENERAL CONTRACTORS</b>	<b>1752</b>	Floor Laying and Other Floorwork Special Trade Contractors, N.E.C.
<b>161</b>	<b>Highway and Street Construction, Except Elevated Highways</b>	<b>176</b>	<b>Roofing and Sheet Metal Work Special Trade Contractors</b>
<b>1611</b>	Highway and Street Construction Contractors	<b>1761</b>	Roofing and Sheet Metal Work Special Trade Contractors
<b>162</b>	<b>Heavy Construction, Except Highway and Street Construction</b>	<b>177</b>	<b>Concrete Work Special Trade Contractors</b>
<b>1622</b>	Bridge, Tunnel, and Elevated Highway Construction Contractors	<b>1771</b>	Concrete Work Special Trade Contractors
<b>1623</b>	Water, Sewer, Pipe Line, Communication and Power Line Construction Contractors	<b>178</b>	<b>Water Well Drilling Special Trade Contractors</b>
<b>1629</b>	Heavy Construction Contractors, N.E.C.	<b>1781</b>	Water Well Drilling Special Trade Contractors
<b>17</b>	<b>CONSTRUCTION—SPECIAL TRADE CONTRACTORS</b>	<b>179</b>	<b>Miscellaneous Special Trade Contractors</b>
<b>171</b>	<b>Plumbing, Heating (Except Electric), and Air Conditioning Special Trade Contractors</b>	<b>1791</b>	Structural Steel Erection Special Trade Contractors
<b>1711</b>	Plumbing, Heating (Except Electric), and Air Conditioning Special Trade Contractors	<b>1793</b>	Glass and Glazing Work Special Trade Contractors
<b>172</b>	<b>Painting, Paper Hanging, and Decorating Special Trade Contractors</b>	<b>1794</b>	Excavating and Foundation Work Special Trade Contractors
<b>1721</b>	Painting, Paper Hanging, and Decorating Special Trade Contractors	<b>1795</b>	Wrecking and Demolition Work Special Trade Contractors
		<b>1796</b>	Installation or Erection of Building Equipment Special Trade Contractors, N.E.C.
		<b>1799</b>	Special Trade Contractors, N.E.C.
		<b>6552</b>	<b>SUBDIVIDERS AND DEVELOPERS, EXCEPT CEMETERIES</b>



# **APPENDIX C.**

## **Geographic Divisions and States**

### **NEW ENGLAND STATES**

Connecticut  
Maine  
Massachusetts  
New Hampshire  
Rhode Island  
Vermont

### **MIDDLE ATLANTIC STATES**

New Jersey  
New York  
Pennsylvania

### **EAST NORTH CENTRAL STATES**

Illinois  
Indiana  
Michigan  
Ohio  
Wisconsin

### **WEST NORTH CENTRAL STATES**

Iowa  
Kansas  
Minnesota  
Missouri  
North Dakota  
South Dakota

### **SOUTH ATLANTIC STATES**

Delaware  
District of Columbia  
Florida  
Georgia  
Maryland

### **SOUTH ATLANTIC STATES—Con.**

North Carolina  
South Carolina  
Virginia  
West Virginia

### **EAST SOUTH CENTRAL STATES**

Alabama  
Kentucky  
Mississippi  
Tennessee

### **WEST SOUTH CENTRAL STATES**

Arkansas  
Louisiana  
Oklahoma  
Texas

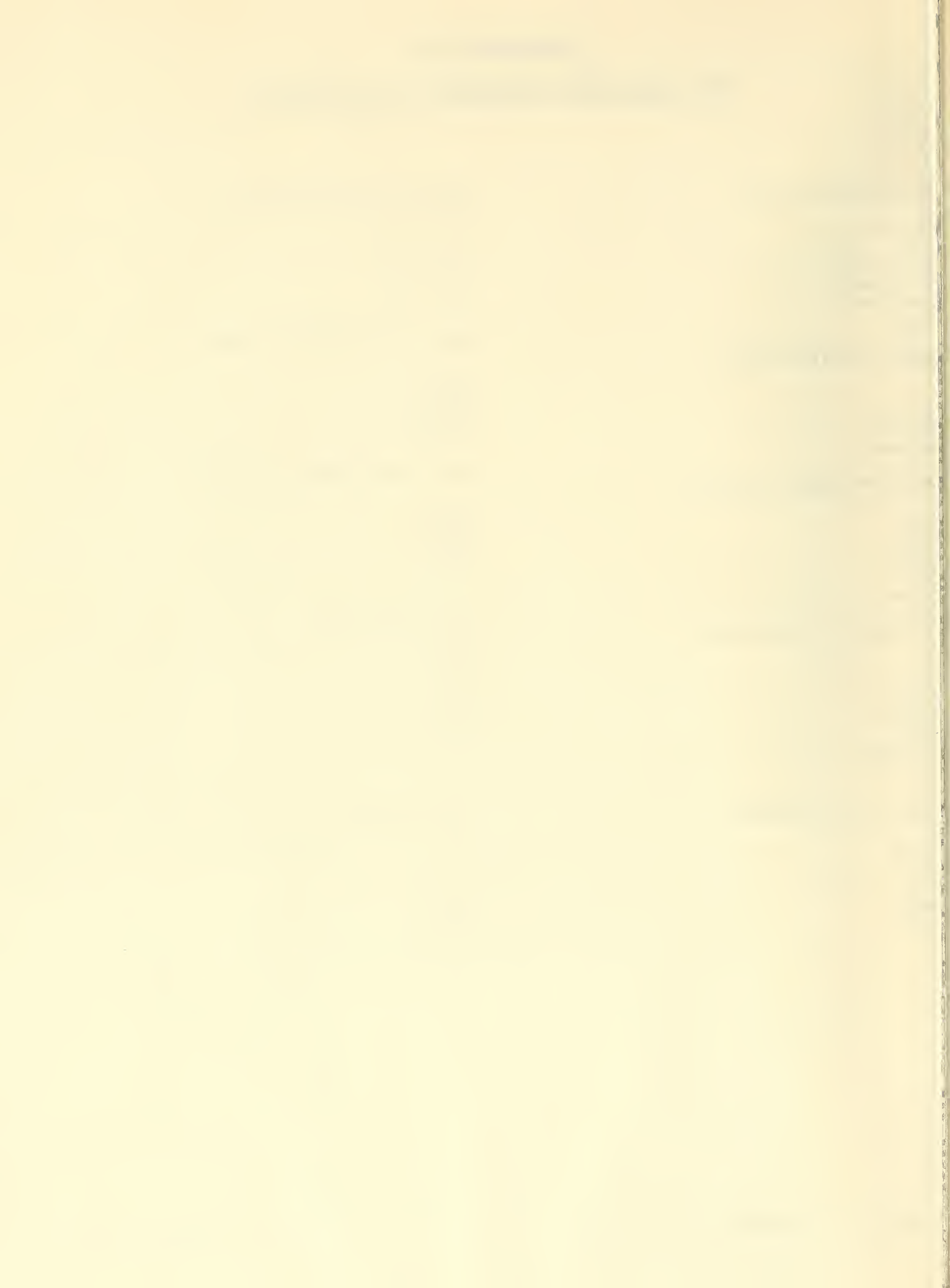
### **MOUNTAIN STATES**

Arizona  
Colorado  
Idaho  
Montana  
Nevada  
New Mexico  
Utah  
Wyoming

### **PACIFIC STATES**

Alaska  
California  
Hawaii  
Oregon  
Washington





# APPENDIX D.

## Standard Consolidated Statistical Areas and Standard Metropolitan Statistical Areas

[Titles and definitions shown for SCSA's and SMSA's are those established by the Office of Management and Budget, as of January 1982]

### Standard Consolidated Statistical Areas

SCSA and definition	SCSA and definition	SCSA and definition
<b>Boston-Lawrence-Lowell, Mass.-N.H.</b> Boston, Mass., SMSA Brockton, Mass., SMSA Lawrence-Haverhill, Mass.-N.H., SMSA Lowell, Mass.-N.H., SMSA	<b>Houston-Galveston, Tex.</b> Galveston-Texas City, Tex., SMSA Houston, Tex., SMSA  <b>Indianapolis-Anderson, Ind.<sup>2</sup></b> Anderson, Ind., SMSA Indianapolis, Ind., SMSA  <b>Los Angeles-Long Beach-Anaheim, Calif.</b> Anaheim-Santa Ana-Garden Grove, Calif., SMSA Los Angeles-Long Beach, Calif., SMSA Oxnard-Simi Valley-Ventura, Calif., SMSA Riverside-San Bernardino-Ontario, Calif., SMSA  <b>Miami-Fort Lauderdale, Fla.</b> Fort Lauderdale-Hollywood, Fla., SMSA Miami, Fla., SMSA  <b>Milwaukee-Racine, Wis.</b> Milwaukee, Wis., SMSA Racine, Wis., SMSA  <b>New York-Newark-Jersey City, N.Y.-N.J.-Conn.</b> Jersey City, N.J., SMSA Long Branch-Asbury Park, N.J., SMSA Nassau-Suffolk, N.Y., SMSA New Brunswick-Perth Amboy-Sayreville, N.J., SMSA	<b>New York-Newark-Jersey City, N.Y.-N.J.-Conn. — Con.</b> New York, N.Y.-N.J., SMSA Newark, N.J., SMSA Norwalk, Conn., SMSA Paterson-Clifton-Passaic, N.J., SMSA Stamford, Conn., SMSA  <b>Philadelphia-Wilmington-Trenton, Pa.-Del.-N.J.-Md.</b> Philadelphia, Pa.-N.J., SMSA Trenton, N.J., SMSA Wilmington, Del.-N.J.-Md., SMSA  <b>Providence-Fall River, R.I.-Mass.<sup>2</sup></b> Fall River, Mass.-R.I., SMSA Providence-Warwick-Pawtucket, R.I.-Mass., SMSA  <b>San Francisco-Oakland-San Jose, Calif.</b> San Francisco-Oakland, Calif., SMSA San Jose, Calif., SMSA Santa Rosa, Calif., SMSA <sup>3</sup> Vallejo-Fairfield-Napa, Calif., SMSA  <b>Seattle-Tacoma, Wash.</b> Seattle-Everett, Wash., SMSA Tacoma, Wash., SMSA

<sup>1</sup>1977 title was Chicago-Gary, Ill.-Ind.; Kenosha, Wis., SMSA has been added.

<sup>2</sup>New SCSA since 1977 Economic Censuses.

<sup>3</sup>Santa Rosa, Calif., SMSA added since 1977 Economic Censuses.

### Standard Metropolitan Statistical Areas

SMSA and definition	SMSA and definition	SMSA and definition
<b>Ablene, Tex.</b> Callahan County, Tex. Jones County, Tex. Taylor County, Tex.  <b>Akron, Ohio</b> Portage County, Ohio Summit County, Ohio  <b>Albany, Ga.</b> Dougherty County, Ga. Lee County, Ga.  <b>Albany-Schenectady-Troy, N.Y.</b> Albany County, N.Y. Montgomery County, N.Y. Rensselaer County, N.Y. Saratoga County, N.Y. Schenectady County, N.Y.  <b>Albuquerque, N. Mex.</b> Bernalillo County, N. Mex. Sandoval County, N. Mex.  <b>Alexandria, La.</b> Grant Parish, La. Rapides Parish, La.  <b>Allentown-Bethlehem-Easton, Pa.-N.J.</b> Warren County, N.J. Carbon County, Pa. Lehigh County, Pa. Northampton County, Pa.	<b>Altoona, Pa.</b> Blair County, Pa.  <b>Amarillo, Tex.</b> Potter County, Tex. Randall County, Tex.  <b>Anaheim-Santa Ana-Garden Grove, Calif.</b> Orange County, Calif.  <b>Anchorage, Alaska</b> Anchorage Borough, Alaska  <b>Anderson, Ind.</b> Madison County, Ind.  <b>Anderson, S.C.<sup>1</sup></b> Anderson County, S.C.  <b>Ann Arbor, Mich.</b> Washtenaw County, Mich.  <b>Annapolis, Ala.</b> Calhoun County, Ala.  <b>Appleton-Oshkosh, Wis.</b> Calumet County, Wis. Outagamie County, Wis. Winnebago County, Wis.  <b>Asheville, N.C.</b> Buncombe County, N.C. Madison County, N.C.	<b>Athens, Ga.<sup>1</sup></b> Clarke County, Ga. Jackson County, Ga. Madison County, Ga. Oconee County, Ga.  <b>Atlanta, Ga.</b> Butts County, Ga. Cherokee County, Ga. Clayton County, Ga. Cobb County, Ga. De Kalb County, Ga.  Douglas County, Ga. Fayette County, Ga. Forsyth County, Ga. Fulton County, Ga. Gwinnett County, Ga.  Henry County, Ga. Newton County, Ga. Paulding County, Ga. Rockdale County, Ga. Walton County, Ga.  <b>Atlantic City, N.J.</b> Atlantic County, N.J.  <b>Augusta, Ga.-S.C.</b> Columbia County, Ga. Richmond County, Ga. Aiken County, S.C.

See footnotes at end of appendix.

# Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<b>Austin, Tex.</b> Hays County, Tex. Travis County, Tex. Williamson County, Tex.	<b>Boston, Mass.</b> Essex County, Mass. (part) Beverly city, Mass. Boxford town, Mass. Danvers town, Mass. Hamilton town, Mass. Lynn city, Mass.  Lynnfield town, Mass. Manchester town, Mass. Marblehead town, Mass. Middleton town, Mass. Nahant town, Mass.  Peabody city, Mass. Salem city, Mass. Saugus town, Mass. Swampscott town, Mass. Topsfield town, Mass. Wenham town, Mass.  Middlesex County, Mass. (part) Acton town, Mass. Arlington town, Mass. Ashland town, Mass. Bedford town, Mass. Belmont town, Mass.  Boxborough town, Mass. Burlington town, Mass. Cambridge city, Mass. Carlisle town, Mass. Concord town, Mass.  Everett city, Mass. Framingham town, Mass. Holliston town, Mass. Lexington town, Mass. Lincoln town, Mass.  Malden city, Mass. Medford city, Mass. Melrose city, Mass. Natick town, Mass. Newton city, Mass.  North Reading town, Mass. Reading town, Mass. Sherborn town, Mass. Somerville city, Mass. Stoneham town, Mass.  Sudbury town, Mass. Wakefield town, Mass. Waltham city, Mass. Watertown town, Mass. Wayland town, Mass.  Weston town, Mass. Wilmington town, Mass. Winchester town, Mass. Woburn city, Mass.  Norfolk County, Mass. (part) Bellingham town, Mass. Braintree town, Mass. Brookline town, Mass. Canton town, Mass. Cohasset town, Mass.  Dedham town, Mass. Dover town, Mass. Foxborough town, Mass. Franklin town, Mass. Holbrook town, Mass.  Medfield town, Mass. Medway town, Mass. Millis town, Mass. Milton town, Mass. Needham town, Mass.  Norfolk town, Mass. Norwood town, Mass. Quincy city, Mass. Randolph town, Mass. Sharon town, Mass.	<b>Boston, Mass.—Con.</b> Norfolk County, Mass. (part)—Con. Stoughton town, Mass. Walpole town, Mass. Wellesley town, Mass. Westwood town, Mass. Weymouth town, Mass. Wrentham town, Mass.  Plymouth County, Mass. (part) Abington town, Mass. Duxbury town, Mass. Hanover town, Mass. Hanson town, Mass. Hingham town, Mass.  Hull town, Mass. Kingston town, Mass. Marshfield town, Mass. Norwell town, Mass. Pembroke town, Mass. Rockland town, Mass. Scituate town, Mass.  Suffolk County, Mass. Boston city, Mass. Chelsea city, Mass. Revere city, Mass. Winthrop town, Mass.  <b>Bradenton, Fla.</b> Manatee County, Fla.  <b>Bremerton, Wash.<sup>1</sup></b> Kitsap County, Wash.  <b>Bridgeport, Conn.</b> Fairfield County, Conn. (part) Bridgeport city, Conn. Easton town, Conn. Fairfield town, Conn. Monroe town, Conn. Shelton city, Conn. Stratford town, Conn. Trumbull town, Conn.  New Haven County, Conn. (part) Derby city, Conn. Milford city, Conn. Milford town balance, Conn. <sup>3</sup> Woodmont borough, Conn. <sup>3</sup>  <b>Bristol, Conn.</b> Hartford County, Conn. (part) Bristol city, Conn. Burlington town, Conn.  Litchfield County, Conn. (part) Plymouth town, Conn.  <b>Brockton, Mass.</b> Bristol County, Mass. (part) Easton town, Mass.  Norfolk County, Mass. (part) Avon town, Mass.  Plymouth County, Mass. (part) Bridgewater town, Mass. Brockton city, Mass. East Bridgewater town, Mass. Halifax town, Mass. West Bridgewater town, Mass. Whitman town, Mass.  <b>Brownsville-Harlingen-San Benito, Tex.</b> Cameron County, Tex.  <b>Bryan-College Station, Tex.</b> Brazos County, Tex.  <b>Buffalo, N.Y.</b> Erie County, N.Y. Niagara County, N.Y.  <b>Burlington, N.C.</b> Alamance County, N.C.  <b>Burlington, Vt.<sup>1</sup></b> Chittenden County, Vt. (part) Burlington city, Vt. Charlotte town, Vt. Colchester town, Vt. Essex Junction village, Vt. Essex town balance, Vt.

See footnotes at end of appendix.



# Standard Metropolitan Statistical Areas—Con.

MSMA and definition	MSMA and definition	MSMA and definition
<b>Burlington, Vt.<sup>1</sup>—Con.</b> Chittenden County, Vt. (part)—Con. Hinesburg town, Vt. Jericho town, Vt. Jericho village, Vt. Milton town, Vt. Milton village, Vt.  Richmond town, Vt. Richmond village, Vt. Shelburne town, Vt. South Burlington city, Vt. St. George town, Vt. Williston town, Vt. Winooski city, Vt.  Franklin County, Vt. (part) Georgia town, Vt.  Grand Isle County, Vt. (part) South Hero town, Vt.	<b>Columbia, Mo.</b> Boone County, Mo.  <b>Columbia, S.C.</b> Lexington County, S.C. Richland County, S.C.  <b>Columbus, Ga.-Ala.</b> Russell County, Ala. Chattahoochee County, Ga. Muscogee County, Ga. <sup>4</sup>  <b>Columbus, Ohio</b> Delaware County, Ohio Fairfield County, Ohio Franklin County, Ohio Madison County, Ohio Pickaway County, Ohio  <b>Corpus Christi, Tex.</b> Nueces County, Tex. San Patricio County, Tex.  <b>Cumberland, Md.-W. Va.<sup>1</sup></b> Allegany County, Md. Mineral County, W. Va.  <b>Dallas-Fort Worth, Tex</b> Collin County, Tex. Dallas County, Tex. Denton County, Tex. Ellis County, Tex. Hood County, Tex.  Johnson County, Tex. Kaufman County, Tex. Parker County, Tex. Rockwall County, Tex. Tarrant County, Tex. Wise County, Tex.  <b>Danbury, Conn.</b> Fairfield County, Conn. (part) Bethel town, Conn. Brookfield town, Conn. Danbury city, Conn. New Fairfield town, Conn. Newtown town, Conn. Redding town, Conn.  Litchfield County, Conn. (part) New Milford town, Conn.  <b>Danville, Va.<sup>1</sup></b> Pittsylvania County, Va. Danville city, Va. <sup>2</sup>  <b>Davenport-Rock Island-Moline, Iowa-III.</b> Henry County, Ill. Rock Island County, Ill. Scott County, Iowa  <b>Dayton, Ohio</b> Greene County, Ohio Miami County, Ohio Montgomery County, Ohio Preble County, Ohio  <b>Daytona Beach, Fla.</b> Volusia County, Fla.  <b>Decatur, Ill.</b> Macon County, Ill.  <b>Denver-Boulder, Colo.</b> Adams County, Colo. Arapahoe County, Colo. Boulder County, Colo. Denver County, Colo. Douglas County, Colo. Gilpin County, Colo. Jefferson County, Colo.  <b>Des Moines, Iowa</b> Polk County, Iowa Warren County, Iowa  <b>Detroit, Mich.</b> Lapeer County, Mich. Livingston County, Mich. Macomb County, Mich. Oakland County, Mich. St. Clair County, Mich. Wayne County, Mich.  <b>Dubuque, Iowa</b> Dubuque County, Iowa	<b>Duluth-Superior, Minn.-Wis.</b> St. Louis County, Minn. Douglas County, Wis.  <b>Eau Claire, Wis.</b> Chippewa County, Wis. Eau Claire County, Wis.  <b>El Paso, Tex.</b> El Paso County, Tex.  <b>Elkhart, Ind.<sup>1</sup></b> Elkhart County, Ind.  <b>Elmira, N.Y.</b> Chemung County, N.Y.  <b>Enid, Okla.<sup>1</sup></b> Garfield County, Okla.  <b>Erle, Pa.</b> Erie County, Pa.  <b>Eugene-Springfield, Oreg.</b> Lane County, Oreg.  <b>Evansville, Ind.-Ky.</b> Gibson County, Ind. Posey County, Ind. Vanderburgh County, Ind. Warrick County, Ind. Henderson County, Ky.  <b>Fall River, Mass.-R.I.</b> Bristol County, Mass. (part) Dighton town, Mass. Fall River city, Mass. Somerset town, Mass. Swansea town, Mass. Westport town, Mass.  Newport County, R.I. (part) Little Compton town, R.I. Portsmouth town, R.I. Tiverton town, R.I.  <b>Fargo-Moorhead, N. Dak.-Minn.</b> Clay County, Minn. Cass County, N. Dak.  <b>Fayetteville, N.C.</b> Cumberland County, N.C.  <b>Fayetteville-Springdale, Ark.</b> Benton County, Ark. Washington County, Ark.  <b>Fitchburg-Leominster, Mass.</b> Middlesex County, Mass. (part) Shirley town, Mass. Townsend town, Mass.  Worcester County, Mass. (part) Fitchburg city, Mass. Leominster city, Mass. Lunenburg town, Mass. Westminster town, Mass.  <b>Flint, Mich.</b> Genesee County, Mich. Shiawassee County, Mich.  <b>Florence, Ala.</b> Colbert County, Ala. Lauderdale County, Ala.  <b>Florence, S.C.<sup>1</sup></b> Florence County, S.C.  <b>Fort Collins, Colo.</b> Larimer County, Colo.  <b>Fort Lauderdale-Hollywood, Fla.</b> Broward County, Fla.  <b>Fort Myers-Cape Coral, Fla.<sup>3</sup></b> Lee County, Fla.  <b>Fort Smith, Ark.-Okla.</b> Crawford County, Ark. Sebastian County, Ark. Le Flore County, Okla. Sequoyah County, Okla.  <b>Fort Walton Beach, Fla.<sup>1</sup></b> Okaloosa County, Fla.

See footnotes at end of appendix

# Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<b>Fort Wayne, Ind.</b> Adams County, Ind. Allen County, Ind. De Kalb County, Ind. Wells County, Ind.	<b>Hartford, Conn.—Conn.</b> Hartford County, Conn. (part)—Conn. Simsbury town, Conn. South Windsor town, Conn. Suffield town, Conn. West Hartford town, Conn. Wethersfield town, Conn. Windsor Locks town, Conn. Windsor town, Conn.	<b>Jersey City, N.J.</b> Hudson County, N.J.
<b>Fresno, Calif.</b> Fresno County, Calif.	Litchfield County, Conn. (part) New Hartford town, Conn.	<b>Johnson City-Kingsport-Bristol, Tenn.—Va.</b> Carter County, Tenn. Hawkins County, Tenn. Sullivan County, Tenn. Unicoi County, Tenn. Washington County, Tenn.
<b>Gadsden, Ala.</b> Etowah County, Ala.	Middlesex County, Conn. (part) Cromwell town, Conn. East Hampton town, Conn. Portland town, Conn.	Scott County, Va. Washington County, Va. Bristol city, Va. <sup>2</sup>
<b>Gainesville, Fla.</b> Alachua County, Fla.	New London County, Conn. (part) Colchester borough, Conn. Colchester town balance, Conn.	<b>Johnstown, Pa.</b> Cambria County, Pa. Somerset County, Pa.
<b>Galveston-Texas City, Tex.</b> Galveston County, Tex.	Tolland County, Conn. (part) Andover town, Conn. Bolton town, Conn. Columbia town, Conn. Coventry town, Conn. Ellington town, Conn.	<b>Joplin, Mo.<sup>1</sup></b> Jasper County, Mo. Newton County, Mo.
<b>Gary-Hammond-East Chicago, Ind.</b> Lake County, Ind. Porter County, Ind.	Hebron town, Conn. Stafford Springs borough, Conn. Stafford town balance, Conn. Tolland town, Conn. Vernon town, Conn. Willington town, Conn.	<b>Kalamazoo-Portage, Mich.</b> Kalamazoo County, Mich. Van Buren County, Mich.
<b>Glens Falls, N.Y.<sup>1</sup></b> Warren County, N.Y. Washington County, N.Y.	<b>Hickory, N.C.<sup>1</sup></b> Alexander County, N.C. Catawba County, N.C.	<b>Kankakee, Ill.</b> Kankakee County, Ill.
<b>Grand Forks, N. Dak.-Minn.</b> Polk County, Minn. Grand Forks County, N. Dak.	<b>Honolulu, Hawaii</b> Honolulu County, Hawaii	<b>Kansas City, Mo.-Kans.</b> Johnson County, Kans. Wyandotte County, Kans. Cass County, Mo. Clay County, Mo. Jackson County, Mo. Platte County, Mo. Ray County, Mo.
<b>Grand Rapids, Mich.</b> Kent County, Mich. Ottawa County, Mich.	<b>Houston, Tex.</b> Brazoria County, Tex. Fort Bend County, Tex. Harris County, Tex. Liberty County, Tex. Montgomery County, Tex. Waller County, Tex.	<b>Kenosha, Wis.</b> Kenosha County, Wis.
<b>Great Falls, Mont.</b> Cascade County, Mont.	<b>Huntington-Ashland, W. Va.-Ky.-Ohio</b> Boyd County, Ky. Greenup County, Ky. Lawrence County, Ohio Cabell County, W. Va. Wayne County, W. Va.	<b>Killeen-Temple, Tex.</b> Bell County, Tex. Coryell County, Tex.
<b>Greeley, Colo.</b> Weld County, Colo.	<b>Huntsville, Ala.</b> Limestone County, Ala. Madison County, Ala. Marshall County, Ala.	<b>Knoxville, Tenn.</b> Anderson County, Tenn. Blount County, Tenn. Knox County, Tenn. Union County, Tenn.
<b>Green Bay, Wis.</b> Brown County, Wis.	<b>Indianapolis, Ind.</b> Boone County, Ind. Hamilton County, Ind. Hancock County, Ind. Hendricks County, Ind. Johnson County, Ind.	<b>Kokomo, Ind.</b> Howard County, Ind. Tipton County, Ind.
<b>Greensboro-Winston-Salem-High Point, N.C.</b> Davidson County, N.C. Forsyth County, N.C. Guilford County, N.C. Randolph County, N.C. Stokes County, N.C. Yadkin County, N.C.	<b>Iowa City, Iowa<sup>1</sup></b> Johnson County, Iowa	<b>La Crosse, Wis.</b> La Crosse County, Wis.
<b>Greenville-Spartanburg, S.C.</b> Greenville County, S.C. Pickens County, S.C. Spartanburg County, S.C.	<b>Jackson, Mich.</b> Jackson County, Mich.	<b>Lafayette, La.</b> Lafayette Parish, La.
<b>Hagerstown, Md.<sup>1</sup></b> Washington County, Md.	<b>Jackson, Miss.</b> Hinds County, Miss. Rankin County, Miss.	<b>Lafayette-West Lafayette, Ind.</b> Tippecanoe County, Ind.
<b>Hamilton-Middletown, Ohio</b> Butler County, Ohio	<b>Jacksonville, Fla.</b> Baker County, Fla. Clay County, Fla. Duval County, Fla. Nassau County, Fla. St. Johns County, Fla.	<b>Lake Charles, La.</b> Calcasieu Parish, La.
<b>Harrisburg, Pa.</b> Cumberland County, Pa. Dauphin County, Pa. Perry County, Pa.	<b>Jacksonville, N.C.<sup>1</sup></b> Onslow County, N.C.	<b>Lakeland-Winter Haven, Fla.</b> Polk County, Fla.
<b>Hartford, Conn.</b> Hartford County, Conn. (part) Avon town, Conn. Bloomfield town, Conn. Canton town, Conn. East Granby town, Conn. East Hartford town, Conn.	<b>Janesville-Beloit, Wis.<sup>1</sup></b> Rock County, Wis.	<b>Lancaster, Pa.</b> Lancaster County, Pa.
East Windsor town, Conn. Enfield town, Conn. Farmington town, Conn. Glastonbury town, Conn. Granby town, Conn.		<b>Lansing-East Lansing, Mich.</b> Clinton County, Mich. Eaton County, Mich. Ingham County, Mich. Ionia County, Mich.
Hartford city, Conn. Manchester town, Conn. Marlborough town, Conn. Newington town, Conn. Rocky Hill town, Conn.		<b>Laredo, Tex.</b> Webb County, Tex.

See footnotes at end of appendix.



# Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<b>Lawrence-Haverhill, Mass.-N.H.</b> Essex County, Mass. (part) Amesbury town, Mass. Andover town, Mass. Georgetown town, Mass. Groveland town, Mass. Haverhill city, Mass.  Lawrence city, Mass. Merrimack town, Mass. Methuen town, Mass. North Andover town, Mass. Salisbury town, Mass. West Newbury town, Mass.  Rockingham County, N.H. (part) Atkinson town, N.H. Hampstead town, N.H. Kingston town, N.H. Newton town, N.H. Plaistow town, N.H. Salem town, N.H. Windham town, N.H.	<b>Macon, Ga.</b> Bibb County, Ga. Houston County, Ga. Jones County, Ga. Twiggs County, Ga.  <b>Madison, Wis.</b> Dane County, Wis.  <b>Manchester, N.H.</b> Hillsborough County, N.H. (part) Bedford town, N.H. Goffstown town, N.H. Manchester city, N.H.  Merrimack County, N.H. (part) Allentown town, N.H. Hooksett town, N.H. Pembroke town, N.H.  Rockingham County, N.H. (part) Derry town, N.H. Londonderry town, N.H.	<b>Naahua, N.H.</b> Hillsborough County, N.H. (part) Amherst town, N.H. Hudson town, N.H. Merrimack town, N.H. Milford town, N.H. Nashua city, N.H.  <b>Naahville-Davidson, Tenn.</b> Cheatham County, Tenn. Davidson County, Tenn. Dickson County, Tenn. Robertson County, Tenn. Rutherford County, Tenn.  Sumner County, Tenn. Williamson County, Tenn. Wilson County, Tenn.
<b>Lawton, Okla.</b> Comanche County, Okla.	<b>Mansfield, Ohio</b> Richland County, Ohio	<b>Nassau-Suffolk, N.Y.</b> Nassau County, N.Y. Suffolk County, N.Y.
<b>Lewiston-Auburn, Maine</b> Androscoggin County, Maine (part) Auburn city, Maine Lewiston city, Maine Lisbon town, Maine	<b>McAllen-Pharr-Edinburg, Tex.</b> Hidalgo County, Tex.	<b>New Bedford, Mass.</b> Bristol County, Mass. (part) Acushnet town, Mass. Dartmouth town, Mass. Fairhaven town, Mass. Freetown town, Mass. New Bedford city, Mass.
<b>Lexington-Fayette, Ky.</b> Bourbon County, Ky. Clark County, Ky. Fayette County, Ky. Jessamine County, Ky. Scott County, Ky. Woodford County, Ky.	<b>Medford, Oreg.<sup>1</sup></b> Jackson County, Oreg.	Plymouth County, Mass. (part) Lakeville town, Mass. Marion town, Mass. Mattapoisett town, Mass.
<b>Lima, Ohio</b> Allen County, Ohio Auglaize County, Ohio Putnam County, Ohio Van Wert County, Ohio	<b>Melbourne-Titusville-Cocoa, Fla.</b> Brevard County, Fla.	<b>New Britain, Conn.</b> Hartford County, Conn. (part) Berlin town, Conn. New Britain city, Conn. Plainville town, Conn. Southington town, Conn.
<b>Lincoln, Nebr.</b> Lancaster County, Nebr.	<b>Memphis, Tenn.-Ark.-Miss.</b> Crittenden County, Ark. De Soto County, Miss. Shelby County, Tenn. Tipton County, Tenn.	<b>New Brunswick-Perth Amboy-Sayreville, N.J.</b> Middlesex County, N.J.
<b>Little Rock-North Little Rock, Ark.</b> Pulaski County, Ark. Saline County, Ark.	<b>Meriden, Conn.</b> New Haven County, Conn. (part) Meriden city, Conn.	<b>New Haven-West Haven, Conn.</b> Middlesex County, Conn. (part) Clinton town, Conn.
<b>Long Branch-Aabury Park, N.J.</b> Monmouth County, N.J.	<b>Miami, Fla.</b> Dade County, Fla.	New Haven County, Conn. (part) Bethany town, Conn. Branford town, Conn. East Haven town, Conn. Guilford town, Conn. Hamden town, Conn.
<b>Longview-Marshall, Tex.<sup>4</sup></b> Gregg County, Tex. Harrison County, Tex.	<b>Midland, Tex.</b> Midland County, Tex.	Madison town, Conn. New Haven city, Conn. North Branford town, Conn. North Haven town, Conn. Orange town, Conn.
<b>Lorain-Elyria, Ohio</b> Lorain County, Ohio	<b>Milwaukee, Wis.</b> Milwaukee County, Wis. Ozaukee County, Wis. Washington County, Wis. Waukesha County, Wis.	Wallingford town, Conn. West Haven city, Conn. Woodbridge town, Conn.
<b>Los Angeles-Long Beach, Calif.</b> Los Angeles County, Calif.	<b>Minneapolis-St. Paul, Minn.-Wis.</b> Anoka County, Minn. Carver County, Minn. Chisago County, Minn. Dakota County, Minn. Hennepin County, Minn.  Ramsey County, Minn. Scott County, Minn. Washington County, Minn. Wright County, Minn. St. Croix County, Wis.	<b>New London-Norwich, Conn.-R.I.</b> Middlesex County, Conn. (part) Fenwick borough, Conn. <sup>2</sup> Old Saybrook town, Conn.
<b>Louisville, Ky.-Ind.</b> Clark County, Ind. Floyd County, Ind. Bullitt County, Ky. Jefferson County, Ky. Oldham County, Ky.	<b>Mobile, Ala.</b> Baldwin County, Ala. Mobile County, Ala.	New London County, Conn. (part) Bozrah town, Conn. East Lyme town, Conn. Griswold town balance, Conn. Groton city, Conn. Groton town balance, Conn.
<b>Lowell, Mass.-N.H.</b> Middlesex County, Mass. (part) Billerica town, Mass. Chelmsford town, Mass. Dracut town, Mass. Lowell city, Mass. Tewksbury town, Mass. Tyngsborough town, Mass. Westford town, Mass.  Hillsborough County, N.H. (part) Pelham town, N.H.	<b>Modesto, Calif.</b> Stanislaus County, Calif.	Jewett City borough, Conn. Ledyard town, Conn. Lisbon town, Conn. Montville town, Conn. New London city, Conn.
<b>Lubbock, Tex.</b> Lubbock County, Tex.	<b>Monroe, La.</b> Ouachita Parish, La.	
<b>Lynchburg, Va.</b> Amherst County, Va. Appomattox County, Va., Campbell County, Va. Lynchburg city, Va. <sup>2</sup>	<b>Montgomery, Ala.</b> Autauga County, Ala. Elmore County, Ala. Montgomery County, Ala.	
	<b>Muncie, Ind.</b> Delaware County, Ind.	
	<b>Muskegon-Norton Shores-Muskegon Heights, Mich.</b> Muskegon County, Mich. Oceana County, Mich.	

See footnotes at end of appendix.



# Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<p><b>New London-Norwich, Conn.-R.I.—Con.</b>  New London County, Conn. (part)—Con.  Norwich city, Conn.  Old Lyme town, Conn.  Preston town, Conn.  Sprague town, Conn.  Stonington town, Conn.  Waterford town, Conn.</p> <p>Washington County, R.I. (part)  Hopkinton town, R.I.  Westerly town, R.I.</p>	<p><b>Orlando, Fla.</b>  Orange County, Fla.  Osceola County, Fla.  Seminole County, Fla.</p> <p><b>Owensboro, Ky.</b>  Davies County, Ky.</p> <p><b>Oxnard-Simi Valley-Ventura, Calif.</b>  Ventura County, Calif.</p>	<p><b>Portland, Maine—Con.</b>  Cumberland County, Maine (part)—Con.  Portland city, Maine  Scarborough town, Maine  South Portland city, Maine  Westbrook city, Maine  Windham town, Maine  Yarmouth town, Maine</p> <p>York County, Maine (part)  Old Orchard Beach town, Maine  Saco city, Maine</p>
<p><b>New Orleans, La.</b>  Jefferson Parish, La.  Orleans Parish, La.  St. Bernard Parish, La.  St. Tammany Parish, La.</p>	<p><b>Panama City, Fla.</b>  Bay County, Fla.</p>	<p><b>Portland, Ore.-Wash.</b>  Clackamas County, Ore.  Multnomah County, Ore.  Washington County, Ore.  Clark County, Wash.</p>
<p><b>New York, N.Y.-N.J.</b>  Bergen County, N.J.  Bronx County, N.Y.  Kings County, N.Y.  New York County, N.Y.  Putnam County, N.Y.</p> <p>Queens County, N.Y.  Richmond County, N.Y.  Rockland County, N.Y.  Westchester County, N.Y.</p>	<p><b>Parkersburg-Marletta, W. Va.-Ohio</b>  Washington County, Ohio  Wirt County, W. Va.  Wood County, W. Va.</p>	<p><b>Portsmouth-Dover-Rochester, N.H.-Maine<sup>1</sup></b>  York County, Maine (part)  Berwick town, Maine  Eliot town, Maine  Kittery town, Maine  South Berwick town, Maine  York town, Maine</p>
<p><b>Newark, N.J.</b>  Essex County, N.J.  Morris County, N.J.  Somerset County, N.J.  Union County, N.J.</p>	<p><b>Pascagoula-Moss Point, Miss.</b>  Jackson County, Miss.</p>	<p>Rockingham County, N.H. (part)  Greenland town, N.H.  Hampton town, N.H.  New Castle town, N.H.  Newfields town, N.H.  Newington town, N.H.</p>
<p><b>Newark, Ohio<sup>1</sup></b>  Licking County, Ohio</p>	<p><b>Paterson-Clifton-Passaic, N.J.</b>  Passaic County, N.J.</p>	<p>Newmarket town, N.H.  North Hampton town, N.H.  Portsmouth city, N.H.  Rye town, N.H.</p>
<p><b>Newburgh-Middletown, N.Y.<sup>1</sup></b>  Orange County, N.Y.</p>	<p><b>Pensacola, Fla.</b>  Escambia County, Fla.  Santa Rosa County, Fla.</p>	<p>Strafford County, N.H. (part)  Barrington town, N.H.  Dover city, N.H.  Durham town, N.H.  Farmington town, N.H.  Lee town, N.H.</p>
<p><b>Newport News-Hampton, Va.</b>  Gloucester County, Va.  James City County, Va.  York County, Va.  Hampton city, Va.<sup>2</sup>  Newport News city, Va.<sup>2</sup>  Poquoson city, Va.<sup>2</sup>  Williamsburg city, Va.<sup>2</sup></p>	<p><b>Peoria, Ill.</b>  Peoria County, Ill.  Tazewell County, Ill.  Woodford County, Ill.</p>	<p>Madbury town, N.H.  Rochester city, N.H.  Rollinsford town, N.H.  Somersworth city, N.H.</p>
<p><b>Norfolk-Virginia Beach-Portsmouth, Va.-N.C.</b>  Currituck County, N.C.  Chesapeake city, Va.<sup>2</sup>  Norfolk city, Va.<sup>2</sup>  Portsmouth city, Va.<sup>2</sup>  Suffolk city, Va.<sup>2</sup>  Virginia Beach city, Va.<sup>2</sup></p>	<p><b>Petersburg-Colonial Heights-Hopewell, Va.</b>  Dinwiddie County, Va.  Prince George County, Va.  Colonial Heights city, Va.<sup>2</sup>  Hopewell city, Va.<sup>2</sup>  Petersburg city, Va.<sup>2</sup></p>	<p><b>Poughkeepsie, N.Y.</b>  Dutchess County, N.Y.</p>
<p><b>Northeast Pennsylvania</b>  Lackawanna County, Pa.  Luzerne County, Pa.  Monroe County, Pa.</p>	<p><b>Philadelphia, Pa.-N.J.</b>  Burlington County, N.J.  Camden County, N.J.  Gloucester County, N.J.  Bucks County, Pa.  Chester County, Pa.</p>	<p><b>Providence-Warwick-Pawtucket, R.I.-Mass.</b>  Bristol County, Mass. (part)  Attleboro city, Mass.  North Attleborough town, Mass.  Norton town, Mass.  Rehoboth town, Mass.  Seekonk town, Mass.</p>
<p><b>Norwalk, Conn.</b>  Fairfield County, Conn. (part)  Norwalk city, Conn.  Weston town, Conn.  Westport town, Conn.  Wilton town, Conn.</p>	<p><b>Phoenix, Ariz.</b>  Maricopa County, Ariz.</p>	<p>Norfolk County, Mass. (part)  Plainville town, Mass.</p>
<p><b>Ocala, Fla.<sup>1</sup></b>  Marion County, Fla.</p>	<p><b>Pine Bluff, Ark.</b>  Jefferson County, Ark.</p>	<p>Worcester County, Mass. (part)  Blackstone town, Mass.  Millville town, Mass.</p>
<p><b>Odessa, Tex.</b>  Ector County, Tex.</p>	<p><b>Pittsburgh, Pa.</b>  Allegheny County, Pa.  Beaver County, Pa.  Washington County, Pa.  Westmoreland County, Pa.</p>	<p>Bristol County, R.I.  Barrington town, R.I.  Bristol town, R.I.  Warren town, R.I.</p>
<p><b>Oklahoma City, Okla.</b>  Canadian County, Okla.  Cleveland County, Okla.  McClain County, Okla.  Oklahoma County, Okla.  Pottawatomie County, Okla.</p>	<p><b>Pittsfield, Mass.</b>  Berkshire County, Mass. (part)  Adams town, Mass.  Cheshire town, Mass.  Dalton town, Mass.  Lanesborough town, Mass.  Lee town, Mass.</p>	<p>Kent County, R.I. (part)  Coventry town, R.I.  East Greenwich town, R.I.  Warwick city, R.I.  West Warwick town, R.I.</p>
<p><b>Olympia, Wash.<sup>1</sup></b>  Thurston County, Wash.</p>	<p>Lenox town, Mass.  Pittsfield city, Mass.  Stockbridge town, Mass.</p>	<p>Newport County, R.I. (part)  Jamestown town, R.I.</p>
<p><b>Omaha, Nebr.-Iowa</b>  Pottawattamie County, Iowa  Douglas County, Nebr.  Sarpy County, Nebr.</p>	<p><b>Portland, Maine</b>  Cumberland County, Maine (part)  Cape Elizabeth town, Maine  Cumberland town, Maine  Falmouth town, Maine  Freeport town, Maine  Gorham town, Maine</p>	<p>Providence County, R.I. (part)  Burrillville town, R.I.  Central Falls city, R.I.  Cranston city, R.I.  Cumberland town, R.I.  East Providence city, R.I.</p>

See footnotes at end of appendix.

# Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<b>Providence-Warwick-Pawtucket, R.I.-Mass.—Con.</b> Providence County, R.I. (part)—Con. Providence city, R.I. Scituate town, R.I. Smithfield town, R.I. Woonsocket city, R.I.  Washington County, R.I. (part) Narragansett town, R.I. North Kingstown town, R.I. South Kingstown town, R.I.	<b>St. Louis, Mo.-Ill.</b> Clinton County, Ill. Madison County, Ill. Monroe County, Ill. St. Clair County, Ill. Franklin County, Mo.  Jefferson County, Mo. St. Charles County, Mo. St. Louis County, Mo. St. Louis city, Mo. <sup>2</sup>  <b>Salem, Oreg.</b> Marion County, Oreg. Polk County, Oreg.  <b>Salinas-Seaside-Monterey, Calif.</b> Monterey County, Calif.  <b>Sallabury-Concord, N.C.<sup>1</sup></b> Cabarrus County, N.C. Rowan County, N.C.  <b>Salt Lake City-Ogden, Utah</b> Davis County, Utah Salt Lake County, Utah Tooele County, Utah Weber County, Utah  <b>San Angelo, Tex.</b> Tom Green County, Tex.  <b>San Antonio, Tex.</b> Bexar County, Tex. Comal County, Tex. Guadalupe County, Tex.  <b>San Diego, Calif.</b> San Diego County, Calif.  <b>San Francisco-Oakland, Calif.</b> Alameda County, Calif. Contra Costa County, Calif. Marin County, Calif. San Francisco County, Calif. San Mateo County, Calif.  <b>San Jose, Calif.</b> Santa Clara County, Calif.  <b>Santa Barbara-Santa Maria-Lompoc, Calif.</b> Santa Barbara County, Calif.  <b>Santa Cruz, Calif.</b> Santa Cruz County, Calif.  <b>Santa Rosa, Calif.</b> Sonoma County, Calif.  <b>Sarasota, Fla.</b> Sarasota County, Fla.  <b>Savannah, Ga.</b> Bryan County, Ga. Chatham County, Ga. Effingham County, Ga.  <b>Seattle-Everett, Wash.</b> King County, Wash. Snohomish County, Wash.  <b>Sharon, Pa.<sup>1</sup></b> Mercer County, Pa.  <b>Sheboygan, Wis.<sup>1</sup></b> Sheboygan County, Wis.  <b>Sherman-Denison, Tex.</b> Grayson County, Tex.  <b>Shreveport, La.</b> Bossier Parish, La. Caddo Parish, La. Webster Parish, La.  <b>Sioux City, Iowa-Nebr.</b> Woodbury County, Iowa Dakota County, Nebr.  <b>Sioux Falls, S. Dak.</b> Minnehaha County, S. Dak.  <b>South Bend, Ind.</b> Marshall County, Ind. St. Joseph County, Ind.  <b>Spokane, Wash.</b> Spokane County, Wash.	<b>Springfield, Ill.</b> Menard County, Ill. Sangamon County, Ill.  <b>Springfield, Mo.</b> Christian County, Mo. Greene County, Mo.  <b>Springfield, Ohio</b> Champaign County, Ohio Clark County, Ohio  <b>Springfield-Chicopee-Holyoke, Mass.-Conn.</b> Tolland County, Conn. (part) Somers town, Conn.  Hampden County, Mass. (part) Agawam town, Mass. Chicopee city, Mass. East Longmeadow town, Mass. Hampden town, Mass. Holyoke city, Mass.  Longmeadow town, Mass. Ludlow town, Mass. Monson town, Mass. Palmer town, Mass. Southwick town, Mass.  Springfield city, Mass. West Springfield town, Mass. Westfield city, Mass. Wilbraham town, Mass.  Hampshire County, Mass. (part) Belchertown town, Mass. Easthampton town, Mass. Granby town, Mass. Hadley town, Mass. Hatfield town, Mass.  Northampton city, Mass. South Hadley town, Mass. Southampton town, Mass.  Worcester County, Mass. (part) Warren town, Mass.  <b>Stamford, Conn.</b> Fairfield County, Conn. (part) Darien town, Conn. Greenwich town, Conn. New Canaan town, Conn. Stamford city, Conn.  <b>State College, Pa.<sup>1</sup></b> Centre County, Pa.  <b>Steubenville-Weirton, Ohio-W. Va.</b> Jefferson County, Ohio Brooke County, W. Va. Hancock County, W. Va.  <b>Stockton, Calif.</b> San Joaquin County, Calif.  <b>Syracuse, N.Y.</b> Madison County, N.Y. Onondaga County, N.Y. Oswego County, N.Y.  <b>Tacoma, Wash.</b> Pierce County, Wash.  <b>Tallahassee, Fla.</b> Leon County, Fla. Wakulla County, Fla.  <b>Tampa-St. Petersburg, Fla.</b> Hillsborough County, Fla. Pasco County, Fla. Pinellas County, Fla.  <b>Terre Haute, Ind.</b> Clay County, Ind. Sullivan County, Ind. Vermillion County, Ind. Vigo County, Ind.  <b>Texarkana, Tex.-Texarkana, Ark.</b> Little River County, Ark. Miller County, Ark. Bowie County, Tex.

See footnotes at end of appendix.



# Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<b>Toledo, Ohio-Mich.</b> Monroe County, Mich. Fulton County, Ohio Lucas County, Ohio Ottawa County, Ohio Wood County, Ohio	<b>Washington, D.C.-Md.-Va.</b> Washington, D.C. Charles County, Md. Montgomery County, Md. Prince George's County, Md. Arlington County, Va.  Fairfax County, Va. Loudoun County, Va. Prince William County, Va. Alexandria city, Va. <sup>2</sup> Fairfax city, Va. <sup>2</sup>  Falls Church city, Va. <sup>2</sup> Manassas city, Va. <sup>2</sup> Manassas Park city, Va. <sup>2</sup>	<b>Wichita Falls, Tex.</b> Clay County, Tex. Wichita County, Tex.  <b>Williamsport, Pa.</b> Lycoming County, Pa.  <b>Wilmington, Del.-N.J.-Md.</b> New Castle County, Del. Cecil County, Md. Salem County, N.J.  <b>Wilmington, N.C.</b> Brunswick County, N.C. New Hanover County, N.C.  <b>Worcester, Mass.</b> Worcester County, Mass. (part) Auburn town, Mass. Berlin town, Mass. Boylston town, Mass. Brookfield town, Mass. Charlton town, Mass.  East Brookfield town, Mass. Grafton town, Mass. Holden town, Mass. Leicester town, Mass. Millbury town, Mass.  North Brookfield town, Mass. Northborough town, Mass. Northbridge town, Mass. Oxford town, Mass. Paxton town, Mass.  Shrewsbury town, Mass. Spencer town, Mass. Sterling town, Mass. Sutton town, Mass. Upton town, Mass.  Uxbridge town, Mass. Webster town, Mass. West Boylston town, Mass. Westborough town, Mass. Worcester city, Mass.
<b>Topeka, Kans.</b> Jefferson County, Kans. Osage County, Kans. Shawnee County, Kans.	<b>Waterbury, Conn.</b> Litchfield County, Conn. (part) Thomaston town, Conn. Watertown town, Conn. Woodbury town, Conn.  New Haven County, Conn. (part) Beacon Falls town, Conn. Cheshire town, Conn. Middlebury town, Conn. Naugatuck borough, Conn. Prospect town, Conn.  Southbury town, Conn. Waterbury city, Conn. Wolcott town, Conn.	<b>Yakima, Wash.</b> Yakima County, Wash.
<b>Trenton, N.J.</b> Mercer County, N.J.	<b>Waterloo-Cedar Falls, Iowa</b> Black Hawk County, Iowa	<b>York, Pa.</b> Adams County, Pa. York County, Pa.
<b>Tucson, Ariz.</b> Pima County, Ariz.	<b>Wausau, Wis.<sup>1</sup></b> Marathon County, Wis.	<b>Youngstown-Warren, Ohio</b> Mahoning County, Ohio Trumbull County, Ohio
<b>Tulsa, Okla.</b> Creek County, Okla. Mayes County, Okla. Osage County, Okla. Rogers County, Okla. Tulsa County, Okla. Wagoner County, Okla.	<b>West Palm Beach-Boca Raton, Fla.</b> Palm Beach County, Fla.	<b>Yuba City, Calif.<sup>1</sup></b> Sutter County, Calif. Yuba County, Calif.
<b>Tuscaloosa, Ala.</b> Tuscaloosa County, Ala.	<b>Wheeling, W. Va.-Ohio</b> Belmont County, Ohio Marshall County, W. Va. Ohio County, W. Va.	
<b>Tyler, Tex.</b> Smith County, Tex.	<b>Wichita, Kans.</b> Butler County, Kans. Sedgwick County, Kans.	
<b>Utica-Rome, N.Y.</b> Herkimer County, N.Y. Oneida County, N.Y.		
<b>Vallejo-Fairfield-Napa, Calif.</b> Napa County, Calif. Solano County, Calif.		
<b>Victoria, Tex.<sup>1</sup></b> Victoria County, Tex.		
<b>Vineland-Millville-Bridgeton, N.J.</b> Cumberland County, N.J.		
<b>Visalia-Tulare-Porterville, Calif.<sup>1</sup></b> Tulare County, Calif.		
<b>Waco, Tex.</b> McLennan County, Tex.		

<sup>1</sup>New SMSA since 1977 Economic Censuses.

<sup>2</sup>Independent of any county and considered a county equivalent.

<sup>3</sup>Milford town balance and Woodmont borough added since 1977 Economic Censuses.

<sup>4</sup>Muscogee County has been reinstated as a county. It replaced the county equivalent record for the independent city of Columbus.

<sup>5</sup>1977 title was Fort Myers, Fla.

<sup>6</sup>1977 title was Longview, Tex.

<sup>7</sup>Fenwick borough added since 1977 Economic Censuses.

<sup>8</sup>1977 title was Richland-Kennewick, Wash.



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### Preliminary Reports

Preliminary data from the 1982 census have been issued in 27 industry reports and 1 summary report. These reports are superseded by more detailed final reports.

### Final Reports

Final detailed statistics are issued in separate paperbound reports.

### Industry series—28 reports (CC82-I-1 to -28)

Industry series—27 reports (CC82-I-1 to -27). These reports contain data for establishments with payroll and are published for 27 industries included in the census. Each industry report provides data by State and for the United States on number of establishments; receipts; employment; hours worked; payments to subcontractors; payments for materials, component parts; payments for power and fuels; payments for selected services; payments for the rental of machinery, equipment; value added; capital expenditures during the year; and assets. Limited data for 1977, 1972, and 1967. In addition, more detailed data are shown at the end of each report: receipts by type of structure (single-family houses, multi-family structures, and other); selected data also are provided for establishments by employment size and receipts size.

U.S. Summary—1 report (CC82-I-28). This report provides data for establishments with payroll presented in the industry reports and presents limited data for establishments without payroll.

### Geographic area series—10 reports (CC82-A-1 to -10)

Division reports (CC82-A-1 to -9). These reports contain data for States grouped according to the nine census divisions. The 10th report of the geographic area series data are for the District of Columbia.

Industry series, except here they are organized by State rather than by industry. Similar data also are presented for selected SMSA's. Data are provided for establishments classified by their employment size and receipts size. Data for establishments with no payroll as well as comparative 1977, 1972, and 1967 figures, on a limited basis, also are shown.

U.S. Summary by State (CC82-A-10). This report summarizes the data, as presented in the nine individual geographic division reports, for establishments with and without payroll.

### Special series—1 report (CC82-SP-1)

Legal form of organization and type of operation (CC82-SP-1)—This report contains data (number of establishments, number of persons employed, and total receipts) for establishments with payroll, for construction industries, classified by industry, legal form of organization, and type of operation. It contains selected statistics on receipts, payrolls, receipts, payments to subcontractors, and value added) for construction establishments, classified by industry and by type of legal form of organization.

These reports are assembled and reissued annually.

These reports are available on microfiche.

### CONSTRUCTION INDUSTRIES REPORTS

Construction industries, trade, service industries, manufactures, and other businesses, women-owned businesses, and other businesses also are issued as part of the 1982 census series of reports covers the censuses of the United States, Virgin Islands of the United States, Guam, and the Northern Mariana Islands. All published reports and microfiche editions are available from the Division of Documents, U.S. Government Printing Office, and order forms describing these reports are available from Data User Services Division, Customer Services (Publications), Bureau of the Census, Washington, D.C. 20233.



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